FEDERAL ITEM IDENTIFICATION GUIDE

NAVIGATIONAL AND FLIGHT INSTRUMENTS

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Commander

Defense Logistics Information Service

ATTN: DLIS-K

74 Washington Avenue North, Suite 7

Battle Creek, Michigan 49037-3084

(COMM) (269) 961-5779

(DSN) 661-5779

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key

Accelerometer

1. A device which is designed to sense the rate of change in velocity and to convert this data either (1) through mechanical linkage to an indication on a self contained scale or (2) to an electrical output current for indication on, and/or activation of, remote instruments, actuating devices, switches and the like, by means of preset programming, remote demand signal, direct circuitry, or other means of control. Excludes TRANSDUCER (as modified).

ACCELEROMETER (1), MECHANICAL	05166	AA

An accelerometer which is self indicating. It may have minimum and maximum acceleration record pointers in addition to the instantaneous velocity rate change pointer. It may be equipped with an immediate acting manual reset provision to correlate the pointers in preparation for new readings.

ALTIMETER, DUAL PRESSURE, PRESSURIZED COMPARTMENT	03385	AB

A barometric type instrument specifically designed for use in a pressurized compartment of an aircraft to provide an indication of pressure within the compartment, pressure existing outside the compartment and the differential pressure existing between the two, in feet of altitude.

ALTIMETER, PRESSURE	03386	AB

A barometric type instrument which measures altitude above a given datum plane when adjusted to the correct altimeter setting number. Excludes ALTIMETER, SURVEYING.

ALTIMETER, PRESSURIZED COMPARTMENT	03387	AB

A self-contained aneroid instrument designed specifically for use in a pressurized compartment of an aircraft to provide an indication of pressure in feet altitude.

ALTIMETER, SERVO CONTROLLED, AUTOMATIC PRESSURE STANDBY	60046	AB

A servo-controlled instrument which measures altitude by dial indication transmitted by synchro from a remote source. The transmitted altitude may be pressure altitude as derived from an air data computer or other suitable transmitter. It employs a zero setting system to permit the altimeter to be set at zero altitude at an existing ground level. The item incorporates an automatic standby feature which will revert to direct static pressure actuation, indicated by a warning signal in the event of electrical malfunctions or at the pilot's option. The item is designed for use in aircraft where accuracy is required to meet altitude separation requirements. See also INTRAFORMATION POSITIONING SET.

Approved Item Name	INC	App Key
ALTIMETER, SERVO CONTROLLED, PRESET COMMAND INFORMATION	60047	AB

A servo controlled instrument which measures altitude by tape indication transmitted by synchro from a remote source. Consists of command information and barometric pressure counters. It employs a zero setting system to permit the altimeter to be set at zero altitude at an existing ground level. The item is required to meet altitude separation requirements. See also INTRAFORMATION POSITIONING SET.

ALTIMETER, SURVEYING	04448	AB

A barometric type instrument consisting of a pressure sensitive element, which contracts or expands in proportion to atmospheric pressure, connected through a linkage to a pointer. Its dial is graduated in units of linear measurement (feet, meters, and the like) to indicate differences of elevation only. Excludes ALTIMETER, PRESSURE.

ATTITUDE AND HEADING REFERENCE UNIT	67682	EA

A self-contained unit that provides measurements of the aircraft pitch, roll and heading Euler angles for use by the flight deck displays, flight control system, flight management system and other avionics equipment.

AZIMUTH CIRCLE	14227	AE

A navigational instrument used for the determination of the azimuth of celestial objects and the bearing of terrestrial objects by means of sighting vanes, prisms, and mirrors mounted on a ring formed to fit and rotate about the bezel of a marine compass, permitting simultaneous viewing of a target and the compass card reading. Excludes BEARING CIRCLE.

BEARING CIRCLE	14228	AE

A navigational instrument used for the determination of the bearing of terrestrial objects by means of sighting vanes, prism, and mirror mounted on a ring formed to fit and rotate about the bezel of a marine compass, permitting simultaneous viewing of a target and the compass card reading. See also AZIMUTH CIRCLE.

COLLIMATOR, VERTICAL SURVEYING	11385	GA

A telescopic instrument which enables an observer to look in a horizontal direction and see a point vertically overhead. May be equipped with an additional telescope enabling observation of a point vertically downward.

COMPASS, ASTRO	03735	AE

A navigational instrument designed to aid in obtaining through observation of celestrial bodies or fixed object, the true heading of an aircraft, true bearing and/or relative bearing to a distant object.

COMPASS, GYRO	04966	EA

An instrument utilizing a gyroscopic principle to determine true north.

Approved Item Name	INC	App Key
COMPASS, MAGNETIC, MOUNTED	16206	DA

An instrument which utilizes a magnetic needle or indicator and a graduated dial or card to determine direction in relation to the magnetic north. It has provisions for mounting in a fixed position to insure proper alignment when in use.

COMPASS, MAGNETIC, SIMULATED	40736	CA

An item mounted in an aircraft trainer designed to simulate the function and appearance of an aircraft compass.

COMPASS, MAGNETIC, SURVEYOR'S	18439	DA

An instrument which utilizes a magnetic needle or indicator and a graduated dial to determine direction in relation to the magnetic north. The dial is fixed to the case and a sighting device is attached to the case along the north-south axis of the dial. The east and west letters on the dial are reversed from their true position. When facing north, east is shown as being to the left of north. It is designed for surveying purposes. It is not suitable for navigational purposes. Excludes TRANSIT, POCKET.

COMPASS, MAGNETIC, UNMOUNTED	16207	CA

An instrument which utilizes a magnetic needle or indicator and a graduated dial or card to determine direction in relation to the magnetic north. It does not have provisions for mounting in a fixed position when in use. It may include a mirror bisected by a hairline and affixed to the inside of a hinged cover.

COMPASS, SUN	04727	DA

A mechanical device which utilizes the azimuth of the sun to obtain true direction.

COMPENSATOR, ELECTRONIC, MAGNETIC COMPASS	21119	AM

An item which provides facilities for electronically correcting errors in the indication a magnetic compass by the manual adjustment of current intensity in coils which are in proximity to specific points in or near the compass. The correcting action is a function of electromagnetic field intensity about the coils, resulting from varying the current intensity. Includes correcting devices of the permanent magnet type.

COMPENSATOR, POLARIZING MICROSCOPE	17264	AM
DRIFT METER	03370	AE

An item which measures the angle between the longitudinal axis of an aircraft and its actual path over the earth's surface. It may or may not be designed for obtaining the azimuth bearing and/or computing the ground speed of an aircraft.

DUMMY STATIC TUBE	22311	AG

An item designed to occupy the space of a static tube without having the functions of a static tube.

Approved Item Name	INC	App Key

Gage Unit

1. An instrument incorporating two or more gages into a single unit. It may include indicator(s) and/or thermometers.

GAGE UNIT (1), ENGINE	03432	AD

A gage unit specifically designed to measure and/or indicate engine operating characteristics.

Gyroscope

1. A device which utilizes the properties of a spinning mass to remain fixed in space. The spinning mass (rotor) is supported in a gimbal(s) such that the outer structure has rotational freedom about one or more axis perpendicular to each other and to the axis of spin. The direction of the spin axis in space can be altered by applying a force about an axis (torque) perpendicular to both the spin axis and the axis about which the change in direction (procession) is desired. The "space" herein referred to is that reference frame within which Newtonian physics applies, sometimes referred to as "inertial space".

GYROSCOPE (1), DISPLACEMENT	20599	BA

A gyroscope which senses, measures and transmits angular displacement data.

GYROSCOPE (1), INTEGRATING	20601	BC

A gyroscope which senses the rate of angular displacement and measures and transmits the time integral of this rate.

GYROSCOPE (1), RATE	20600	BB

A gyroscope which senses, measures, and transits rate of angular displacement DATA.

Inclinometer

1. An item that indicates the attitude of a carrier with respect to the horizontal.

INCLINOMETER (1), AIRCRAFT	05167	AC

An inclinometer, usually activated by gravity and usually graduated in degrees, which is used on an aircraft.

INCLINOMETER (1), VEHICULAR	53513	AC

An inclinometer, usually activated by gravity and usually graduated in degrees, which is used on a vehicle.

INERTIAL NAVIGATION SYSTEM	53295	AK

A self-contained, dead-reckoning system that senses acceleration along the pitch, yaw and roll axis of the aircraft and calculates the distance traveled from a reference point. They can include INERTIAL NAVIGATION UNIT(s); PLATFORM, INERTIAL; power supplies; subsystems; mode selectors; and control displays.

Approved Item Name	INC	App Key
INERTIAL NAVIGATION UNIT	53294	AK

A self-contained Line Replaceable Unit (LRU) that provides acceleration, velocity, position, attitude, and altitude for piloting and navigating an aircraft. It is part of an INERTIAL NAVIGATION SYSTEM and may contain an INERTIAL REFERENCE UNIT, NAVIGATION.

INERTIAL REFERENCE UNIT, NAVIGATION	52472	AK

An electromechanical and/or electronic device, consisting of sensors, accelerometers, gyroscopes for the pitch, roll and yaw axis, and a processor, to provide velocity and angular position data. May be a component of an Inertial Navigation Unit (INU).

MANIFOLD, AIRCRAFT INSTRUMENTS	05180	FA

An enclosure with three (3) or more openings designed for use on aircraft instruments to collect and/or distribute fluids.

MANIFOLD, FLUID, AIRCRAFT	27020	FA

An enclosure with three (3) or more openings designed for use in aircraft de-icing, fuel, hydraulic, oil, pneumatic, and vacuum systems to collect and/or distribute fluids. It may contain valves or metering devices and the like. Excludes MANIFOLD, AIRCRAFT INSTRUMENTS.

PELORUS	03590	DA

A navigational instrument consisting of sighting vanes and/or alidade located above a dial graduated in degrees. It is used to determine bearings and is normally mounted on a pedestal or rail bracket.

PITOT-STATIC TUBE	03407	AG

It may have an integrated total temperature sensor capable of providing temperature output readings when part of a multi-function probe.

PITOT TUBE	03406	AG

A device used to measure the total pressure of a fluid stream.

PLATFORM, INERTIAL	53296	AF

Provides stabilized mounting facilities for INERTAL NAVIGATION UNIT(s); INERTIAL REFERENCE UNIT, NAVIGATION; and the like.

PROBE, STATIC TUBE	61826	AP

The forward portion of a STATIC TUBE which contains opening(s) required to receive the barometric pressure of the atmosphere.

Approved Item Name	INC	App Key
SELECTOR, AIRCRAFT CABIN PRESSURE, ALTITUDE	03382	AA

An item designed to allow selection of a desired cabin pressure for an aircraft.

SELECTOR, AIRCRAFT CABIN PRESSURE, RATE OF CHANGE	03383	AA

An item designed to allow selection of a desired rate of change in the cabin pressure.

SELECTOR, HEADING	03384	AA

An item designed to allow the pilot to select a desired heading for automatic range flying and also to indicate the heading the automatic pilot is flying the airplane.

SENSOR, INERTIAL SYSTEM NAVIGATION	48745	AK

A device designed to provide digital outputs of aircraft altitude, true heading, angular rates and accelerations, inertial velocity and acceleration, body rates and accelerations and aircraft position to associated avionics.

SERVOMOTOR, AUTOMATIC PILOT	05172	AJ

A component of an automatic pilot designed to convert signals received from the flight controllers into mechanical motion for actuating air frame control surfaces. It incorporates its own braking mechanism, reversing mechanism, overpower clutch, cable drum, and a follow up circuit for returning the mechanisms to a neutral position. See also MOTOR, CONTROL.

Sextant

1. A navigational instrument designed for accurately measuring the angular distance between two objects as between a celestial body and the horizon. It may also be used to measure horizontal angles and determine bearings of terrestrial objects.

SEXTANT (1), BUBBLE	03716	GA

A sextant incorporating a bubble which acts as an artificial horizon.

SEXTANT (1), MARINE	03717	GA
STABILIZER, GYRO	04967	EA

An instrument utilizing gyroscopic principle to compensate for roll and pitch of a ship.

STADIMETER	03552	AE

A navigational instrument consisting of height and distance scales and mirrors and/or lenses which operate on the coincidence principle. It is used for determining distance when height is known.

Approved Item Name	INC	App Key
STATIC TUBE	03408	AG

A device provided with opening(s) which receive the barometric pressure of the atmosphere for transmission to various instruments.

STATIC TUBE SUBASSEMBLY	61126	AG

A collection of two or more different components of a STATIC TUBE having a common mounting or mounted on each other, but which in itself is not a complete functioning item and cannot be assigned a more definite item name.

STATIC TUBE, TRAINING	61125	AG

An item identical in configuration to, but does not necessarily complete all the operating functions of a STATIC TUBE. It is specifically designed for use in training procedures, such as assembly and/or disassembly, testing, and handling of a weapon.

SYNCHROSCOPE, AIRCRAFT ENGINES	05150	AF

A instrument which indicates the synchronization of an aircraft's engines.

Transmitter

1. A device which receives or generates and/or modulates or modifies energy impulse and converts it to another type of energy impulse to permit and/or facilitate transmission.

TRANSMITTER, ANGLE OF ATTACK	28140	AN

An item that measures and transmits information electrically, relative to angle of airflow with respect to a reference line such as the longitudinal or lateral axis of an aircraft. Excludes TRANSDUCER, MOTIONAL PICKUP. See also TRANSMITTER, (as modified).

TRANSMITTER (1), INDUCTION COMPASS	03544	HA

A transmitter for sensing the earth's magnetic line of flux and transmitting the intelligence electrically to a control and/or a remotely located compass indicator.

TRANSMITTER, POSITION	13367	AK
VALVE, TRANSFER, AUTOMATIC PILOT	05144	AL

An item that receives control signals by one medium and transfers same to the servo cylinder by another medium and designed especially for use on hydraulic automatic pilot systems.

VANE ASSEMBLY, STATIC TUBE	61829	AF

Two or more static tube vanes which are mounted on a common mounting. The assembly is designed for the specific purpose of maintaining a PROBE, STATIC TUBE in proper position by the action of air stream velocity during various flight conditions. Excludes STATIC TUBE SUBASSEMBLY.

Approved Item Name	INC	App Key
VANE, STATIC TUBE	61828	AP

An item fabricated of a rigid material in the form of a fin or a narrow strip with a fin affixed to one end. It is designed to be used as a portion of a VANE ASSEMBLY, STATIC TUBE.

VENTURI TUBE	03391	AH

A device designed to provide a source of air for the operation of airdriven instruments. For items designed for liquid flow, see VENTURI METER.

APPLICABILITY KEY INDEX

	AA	AB	AC	AD	AE	AF	AG	AH	AJ	AK
NAME	X	X	X	X	X	X	X	X	X	X
APSJ	X	X	X	X	X					
AQFZ	X	X	X	X	X					
BBHK	AR	AR	AR	AR	AR					
BBHL	AR	AR	AR	AR	AR					
ASPG	X	X	X	X						
ASPY		AR								
APMM					X					
ASPH					X					
ASPC	AR	AR	AR			AR				
ASST	AR									
ASSR	AR		AR							
ASPD	AR	AR	AR			AR				
ASSS		AR								
BBJG						AR				
ASSK	AR	AR			AR					
ASSL	AR	AR								
BBJH					AR					
AQTK					AR					
ABHP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ABMK	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ADAV	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ABKW	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ABFY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ADUM	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AXGY	AR	AR	AR	AR	AR	AR	AR			AR
BBJJ										X
ASKX		AR		AR	AR	AR	AR	AR	AR	AR
AFRA		AR		AR	AR	AR	AR	AR	AR	AR
AKSF		AR		AR	AR	AR	AR	AR	AR	AR
ASKY		AR		AR	AR	AR	AR	AR	AR	AR
ASKZ		AR		AR	AR	AR	AR	AR	AR	AR
ASSB		AR		AR		AR		AR	AR	AR
ASSC		AR		AR		AR		AR	AR	AR
ASSD		AR		AR		AR		AR	AR	AR
BBJN				X						
AEVT				AR						
ASSH				X						
ACDC				AR	AR				AR	AR
ELEC				AR	AR				AR	AR
FREQ				AR	AR				AR	AR
FAAZ				AR	AR				AR	AR
ACUT					AR					
BBJP					X					
BBJQ					X					
BBJR					AR					
BBJS					AR					
AQYJ					AR					

BBJT					AR					
BBJW					AR					
AGYT					AR					
ADZC					AR					
BBJX							X			
ABYA							AR			
ABYB							AR			
BBJY							X			
BBJZ							AR			
BBTF							AR			
BBKC							AR			
BBKB							AR			
BBTG							AR			
BBTB							AR			
BBTD							AR			
BBTC								X		
BBTH									X	
AHZX									X	
BBTJ									AR	
BBTK									AR	
BBTL									AR	
ABTJ									X	
AFLW										X
FEAT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AARG	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
NHCF	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AFJK	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
FCLS	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
FTLD	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
TMDN	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
RTSE	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
RDAL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
NTRD	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
HZRD	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

	AL	AM	AN	AP
NAME	X	X	X	X
ABHP	AR	AR	AR	AR
ABMK	AR	AR	AR	AR
ADAV	AR	AR	AR	AR
ABKW	AR	AR	AR	AR
ABFY	AR	AR	AR	AR
ADUM	AR	AR	AR	AR
AXGY		AR	AR	X
ASKX	AR		AR	X
AFRA	AR		AR	X
AKSF	AR		AR	X
ASKY	AR		AR	
ASKZ	AR		AR	
ASSB	AR			
ASSC	AR			
ASSD	AR			
ACDC	AR	AR	AR	
ELEC	AR	AR	AR	
FREQ	AR	AR	AR	
FAAZ	AR	AR	AR	
BBJX				X
ABYA			AR	X
ABYB				X
BBJY			X	X
BBJZ			AR	X
BBTF			AR	X
BBKC			AR	X
BBKB			AR	X
BBTG			AR	X
BBTB			AR	X
APQB	X			
BBTM	X			
BBTN		X		
BBTP		AR		
BBTQ			X	
BBTR			AR	
BBTS			AR	
AKVS			X	
AKVR			X	
BBTT			AR	
BBTW			AR	
ADTV			AR	
ADTY			AR	
BBTX			AR	
ALLB			AR	
AGBL			AR	
BBTY			AR	
BBTZ			AR	
AEZD			X	
AEEC			AR	
AEED			AR	
AEEB			AR	
AAGB			X	

FEAT	AR	AR	AR	AR
TEST	AR	AR	AR	AR
SPCL	AR	AR	AR	AR
AARG	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR
CRTL	AR	AR	AR	AR
PRPY	AR	AR	AR	AR
ELRN	AR	AR	AR	AR
NHCF	AR	AR	AR	AR
ELCD	AR	AR	AR	AR
AFJK	AR	AR	AR	AR
SUPP	AR	AR	AR	AR
FCLS	AR	AR	AR	AR
FTLD	AR	AR	AR	AR
TMDN	AR	AR	AR	AR
RTSE	AR	AR	AR	AR
RDAL	AR	AR	AR	AR
NTRD	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR
AGAV	AR	AR	AR	AR
CXCY	AR	AR	AR	AR
HZRD	AR	AR	AR	AR

	BA	BB	BC
NAME	X	X	X
APQB	X		
BBWB		X	
BBWC			X
BBWD	X	X	X
ACDC	AR	AR	AR
ELEC	AR	AR	AR
FREQ	AR	AR	AR
FAAZ	AR	AR	AR
ACUT	AR	AR	AR
BBWF	X	X	X
BBWG	X	X	X
BBWH	AR	AR	AR
APGF	X		
BBWJ	X		X
BBWK	X		
BBWL	AR	AR	AR
BBWM	AR	AR	AR
BBWN	X	X	
BBWP	AR	AR	
AGBC	X		
ABHP	AR	AR	AR
ABMK	AR	AR	AR
ADAV	AR	AR	AR
ABKW	AR	AR	AR
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
AARG	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
PRPY	AR	AR	AR
ELRN	AR	AR	AR
NHCF	AR	AR	AR
ELCD	AR	AR	AR
AFJK	AR	AR	AR
SUPP	AR	AR	AR
FCLS	AR	AR	AR
FTLD	AR	AR	AR
TMDN	AR	AR	AR
RTSE	AR	AR	AR
RDAL	AR	AR	AR
NTRD	AR	AR	AR
ZZZP	AR	AR	AR
ZZZV	AR	AR	AR
AGAV	AR	AR	AR
CXCY	AR	AR	AR
HZRD	AR	AR	AR

	CA
NAME	X
APQB	X
BBWN	X
BBWP	AR
APGF	X
BCKG	X
BBWR	X
BBWS	X
BBWT	AR
BBWW	AR
BBWX	AR
BBWY	AR
BBWZ	AR
BCGY	AR
BCGZ	X
BCHB	X
BCHC	AR
BCHD	AR
ADTV	AR
AFJU	X
ABHP	AR
ABMK	AR
ADAV	AR
ABKW	AR
ADUM	AR
FEAT	AR
TEST	AR
SPCL	AR
AARG	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

	DA
NAME	X
BBWN	X
BBWP	AR
BCHG	X
BCHH	X
BCHJ	AR
BCHK	AR
APGF	X
ANXY	X
ANXZ	AR
BBJG	AR
AXGY	AR
BCHL	AR
BCHM	X
BCHN	AR
BCHP	AR
BCHQ	AR
BCHR	X
ABHP	AR
ABMK	AR
ADAV	AR
ABKW	AR
ABFY	AR
FEAT	AR
TEST	AR
SPCL	AR
AARG	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

	EA
NAME	X
BCHS	AR
ACDC	AR
ELEC	AR
FREQ	AR
FAAZ	AR
AYNW	X
BCHW	X
BCHX	X
BCHY	X
BCHZ	X
BCJB	X
BCJC	X
FEAT	AR
TEST	AR
SPCL	AR
AARG	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

	FA
NAME	X
ASMM	X
BCJD	X
BCJF	AR
BCJG	X
ATQR	AR
ASHM	AR
MATL	AR
ABTJ	AR
ABTB	AR
AQPN	AR
BCZZ	AR
ABHP	X
ABMK	X
ADUM	X
FEAT	AR
TEST	AR
SPCL	AR
AARG	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

	GA
NAME	X
BCJH	X
BCJJ	X
BCJK	AR
BCJL	X
ALSF	AR
ANLJ	AR
BCJM	AR
ACDC	AR
ELEC	AR
BCJN	X
ABHP	X
ABMK	X
ABKW	X
BCJP	X
AGYT	AR
BCJQ	AR
AXGY	AR
AKYD	AR
FEAT	AR
TEST	AR
SPCL	AR
AARG	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

	HA
NAME	X
BCJR	X
BCJC	X
BCJS	AR
BCJT	AR
BCJW	AR
BCJX	AR
BCJY	AR
BCJZ	X
ASSA	AR
BCHT	AR
ASKX	AR
ASQD	AR
BCKB	AR
ASKY	AR
ASQC	AR
ASKZ	AR
ABHP	AR
ABMK	AR
ADAV	AR
ABKW	AR
AXGY	X
AGBC	X
BCHP	X
BCKC	X
FEAT	AR
TEST	AR
SPCL	AR
AARG	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

Body

SECTION: A

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED05166*)		
AA, AB, AC, AD, AE			
	APSJ	A	SCALE QUANTITY
	Definition: THE NUMBER OF SCALES ON THE ITEM.		
	Reply Instructions: Enter the quantity. (e.g., APSJA1*)		
	For each different scale, use AND coding ($$). (e.g., APSJA1$$A1*)		
AA, AB, AC, AD, AE			
	AQFZ	D	SCALE NAME
	Definition: THE NOMENCLATURE BY WHICH THE SCALE IS IDENTIFIED.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AQFZDBG*)		
	For each different scale, use AND coding ($$), entering replies in the same sequence as those given for MRC APSJ. (e.g., AQFZDBG$$DBT*)		
AA*, AB*, AC*, AD*, AE*			
	BBHK	G	SCALE RANGE
	Definition: AN INDICATION OF THE SCALE(S) RANGE.		
	Reply Instructions: Enter the reply in clear text. (e.g., BBHKGMINUS 70 DEG TO PLUS 150 DEG*)		

APP Key	MRC	Mode Code	Requirements
AA*, AB*, AC*, AD*, AE*			
	BBHL	G	SCALE SMALLEST INCREMENT GRADUATION

Definition: THE SMALLEST GRADUATION VALUE(S) BETWEEN THE MARKINGS ON A SCALE.

Reply Instructions: Enter the reply in clear text.

(e.g., BBHLG0.2 OF 1 G-UNIT*)

AA, AB, AC, AD			
	ASPG	H	SCALE MARKING AND SURFACE FINISH

Definition: AN INDICATION OF THE MARKING(S) ON THE SCALE AND THE SURFACE FINISH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below. (e.g., ASPGHAACF*)

For each different scale, use AND ($$) Coding, entering replies in same sequence as those given for MRC APSJ. (e.g., ASPGHAACF$$HAACG*)

Table 1

REPLY CODE	REPLY (AJ65)
AAC	LETTERS
AAG	LINED INCREMENTS
AAF	NUMERALS

Table 2

REPLY CODE	REPLY (AB54)
F	FLUORESCENT (the emission of light while under the influence of an existing agent)
H	NONLUMINOUS (when used here, nonluminous means the absence of fluorescence, phosphorescence or radio activity)
G	PHOSPHORESCENT (the emission of light which persists for a limited duration after the removal of the existing agent)
R	RADIOACTIVE (the property possessed by certain

APP Key	MRC	Mode Code	Requirements
			elements of spontaneously emitting light)
AB*			
	ASPY	H	NONLUMINOUS SCALE MARKING AND COLOR

Definition: AN INDICATION OF THE NONLUMINOUS MARKING(S) ON THE SCALE AND THE COLOR.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the applicable Reply Code from Appendix A , Table 2. (e.g., ASPYHAACWH0000*)

For each different scale, use AND ($$) Coding, entering replies in the same sequence as those given for MRC APSJ. (e.g., ASPYHAACWH0000$$HAACBL0000*)

REPLY CODE	REPLY (AJ65)
AAC	LETTERS
AAG	LINED INCREMENTS
AAF	NUMERALS

AE

	APMM	D	DIAL SCALE MARKING COLOR

Definition: THE HUE OR TINT OF THE DIAL SCALE MARKING(S).

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., APMMDBL0000*)

For each different scale, use AND coding ($$), entering replies in the same sequence as those given for MRC APSJ. (e.g., APMMDBL0000$$DWH0000*)

AE

	ASPH	D	SCALE BACKGROUND COLOR

Definition: THE HUE OR TINT OF THE BACKGROUND OF THE SCALE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., ASPHDBL0000*)

For each different scale, use AND coding ($$), entering replies in the same sequence as those given for MRC APSJ. (e.g., ASPHDBL0000$$DWH0000*)

AA*, AB*, AC*, AF*

ASPC A POINTER QUANTITY

Definition: THE NUMBER OF POINTERS INCLUDED.

Reply Instructions: Enter the quantity. (e.g., ASPCA1*)

For each different type pointer, use AND coding ($$). (e.g., ASPCA1$$A1*)

AA*

ASST D POINTER TYPE

Definition: INDICATES THE TYPE OF POINTER PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASSTDAAD*)

For each different type pointer, use AND coding ($$), entering replies in the same sequence as those given for MRC ASPC. (e.g., ASSTDAAD$$DAAE*)

REPLY CODE	REPLY (AL97)
AAD	ACCELERATION
A	ANY ACCEPTABLE
AAE	AUXILIARY
AAF	MAIN
AAG	MINUS
AAH	PLUS
AAJ	RECORD
AAK	RESET

AA*, AC*

ASSR G POINTER PURPOSE

Definition: THE FUNCTION FOR WHICH THE POINTER IS INTENDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the reply in clear text. (e.g., ASSRGINSTANTANEOUS ACCELERATION*)

For each different type pointer, use a semicolon, entering replies in the same sequence as those given for MRC ASPC. (e.g., ASSRGAUXILIARY; MAIN*)

AA*, AB*, AC*, AF*

ASPD D POINTER FINISH

Definition: AN INDICATION OF THE FINISH ON THE POINTER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASPDDF*)

For each different type pointer, use AND coding ($$), entering replies in the same sequence as those given for MRC ASPC. (e.g., ASPDDG$$DR*)

REPLY CODE	REPLY (AB54)
A	ANY ACCEPTABLE
F	FLUORESCENT (the emission of light while under the influence of an existing agent)
H	NONLUMINOUS (when used here, nonluminous means the absence of fluorescence, phosphorescence or radioactivity)
G	PHOSPHORESCENT (the emission of light which persists for a limited duration after the removal of the existing agent)
R	RADIOACTIVE (the property possessed by certain elements of spontaneously emitting light)

AB*

ASSS D POINTER COLOR

Definition: THE HUE OR TINT OF THE POINTER.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., ASSSDBL0000*)

For each different type pointer, use AND coding ($$), entering replies in the same sequence as those given for MRC ASPC. (e.g., ASSSDBL0000$$DWH0000*)

AF*

APP Key	MRC	Mode Code	Requirements
	BBJG	D	DIAL FINISH

Definition: AN INDICATION OF THE FINISH ON THE DIAL.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBJGDF*; BBJGDF$DG*)

REPLY CODE	REPLY (AB54)
A	ANY ACCEPTABLE
F	FLUORESCENT (the emission of light while under the influence of an existing agent)
G	PHOSPHORESCENT (the emission of light which persists for a limited duration after the removal of the existing agent)
R	RADIOACTIVE (the property possessed by certain elements of spontaneously emitting light)

AA*, AB*, AE*

ASSK	A	KNOB QUANTITY

Definition: THE NUMBER OF KNOBS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ASSKA2*)

For each different type knob, use AND coding ($$). (e.g., ASSKA1$$A1*)

AA*, AB*

ASSL	G	KNOB PURPOSE

Definition: THE FUNCTION FOR WHICH THE KNOB IS INTENDED.

Reply Instructions: Enter the reply in clear text. (e.g., ASSLGUSED TO ZERO POINTERS*)

For each different type knob, use a semicolon, entering replies in the same sequence as those given for MRC ASSK. (e.g., ASSLGUSED TO ZERO POINTER; MANUAL RESET*)

AE*

BBJH	D	KNOB NAME

APP Key	MRC	Mode Code	Requirements

Definition: THE NOMENCLATURE BY WHICH THE KNOB IS IDENTIFIED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., BBJHDCJ*)

For each different type knob, use AND coding ($$), entering replies in the same sequence as those given for MRC ASSK. (e.g., BBJHDCQ$$DCR*)

AE*

AQTK D KNOB LOCATION

Definition: INDICATES THE SPECIFIC LOCATION OF THE KNOB.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., AQTKDAZQ*)

For each different type of knob, use AND coding ($$), entering replies in the same sequence as those given for MRC ASSK. (e.g., AQTKDAZ$$DBAB*)

FOR APPLICABILITY KEYS AA, AB, AND AC: FOR POSITIONING THIS ITEM FOR THE PURPOSE OF DETERMINING THE APPLICABLE DIMENSIONS, THE FOLLOWING SHALL APPLY: WITH THE DIAL PLACED IN A VERTICAL PLANE AND IN A NORMAL READING POSITION, THE DEPTH SHALL BE CONSIDERED AS THE DIMENSION FROM THE FRONT TO THE BACK OF THE INSTRUMENT MEASURED PARALLEL TO THE LINE OF VISION; THE WIDTH SHALL BE CONSIDERED AS THE DIMENSION MEASURED ALONG A HORIZONTAL LINE OF VISION; AND THE HEIGHT SHALL BE CONSIDERED AS THE DIMENSION MEASURED ALONG A VERTICAL LINE PERPENDICULAR TO THE LINE OF VISION. FOR INSTRUMENTS OF ROUND CROSS-SECTION (PERPENDICULAR TO THE LINE OF VISION), REPLY TO DEPTH AND DIAMETER REQUIREMENTS ONLY.

FOR APPLICABILITY KEY AE: SHOW OVERALL DIMENSIONS ABOVE MOUNTING FLANGE. FOR POSITIONING THIS ITEM FOR THE PURPOSE OF DETERMINING THE APPLICABLE DIMENSIONS, THE FOLLOWING SHALL APPLY: WITH THE DIAL PLACED IN A HORIZONTAL PLANE AND MOUNTED ON A STAND OR RAIL, THE HEIGHT SHALL BE CONSIDERED AS THE DIMENSION MEASURED ALONG A VERTICAL LINE FROM THE MOUNTING FLANGE TO THE TOP OF THE INSTRUMENT. THE WIDTH SHALL BE CONSIDERED AS THE DIMENSION FROM THE FRONT TO THE BACK OF THE INSTRUMENT AND THE LENGTH SHALL BE CONSIDERED THE DIMENSION MEASURED ON A HORIZONTAL PLANE FROM SIDE TO SIDE. FOR INSTRUMENTS OF ROUND CROSS-SECTION, REPLY TO HEIGHT AND DIAMETER REQUIREMENTS ONLY.

APP
Key MRC Mode Code Requirements

FOR APPLICABILITY KEY AN: EXCLUDE CABLE AND CABLE TERMINATION, INCLUDES EXTERNAL VANE OR PROBE AND ANY PROTRUDING ELECTRICAL RECEPTACLE ACCOMMODATIONS.

ALL* (See Note Above)

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA203.2*; ABHPJAB7.500$$JAC8.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA63.5*; ABMKJAB2.250$$JAC2.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA61.0*; ADAVJAB2.200$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA63.5*; ABKWJAB2.250$$JAC2.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA61.0*; ABFYJAB2.200$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

ADUM J OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA2.500*; ADUMJLA0.5*; ADUMJAB2.250$$JAC2.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

AA*, AB*, AC*, AD*, AE*, AF*, AG*, AK*, AM*, AN*, AP

AXGY D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 7. (e.g., AXGYDABC*; AXGYDABC$DABH*)

AK

BBJJ A MOUNTING POINT QUANTITY

Definition: THE NUMBER OF MOUNTING POINT(S) PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BBJJA2*; BBJJA3$A4*)

AB*, AD*, AE*, AF*, AG*, AH*, AJ*, AK*, AL*, AN*, AP

ASKX A ELECTRICAL CONNECTION QUANTITY

Definition: THE NUMBER OF ELECTRICAL CONNECTIONS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ASKXA1*)

For each different type connection, use AND coding ($$). (e.g., ASKXA1$$A2*)

AB*, AD*, AE*, AF*, AG*, AH*, AJ*, AK*, AL*, AN*, AP

AFRA A CONTACT QUANTITY

Definition: THE NUMBER OF CONTACTS WHICH PROVIDE ELECTRICAL CONNECTION.

Reply Instructions: Enter the quantity. (e.g., AFRAA6*)

For each different type connection, use AND coding ($$), entering replies in the same sequence as those given for MRC ASKX. (e.g., AFRAA2$$A2*)

AB*, AD*, AE*, AF*, AG*, AH*, AJ*, AK*, AL*, AN*, AP

AKSF D CONTACT TYPE

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES OF THE TYPE OF CONTACT(S) INCLUDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., AKSFDCA*)

For each different type connection, use AND coding ($$), entering replies in the same sequence as those given for MRC ASKX. (e.g., ASKFDCA$$DCD*)

AB*, AD*, AE*, AF*, AG*, AH*, AJ*, AK*, AL*, AN*

ASKY G ELECTRICAL CONNECTION CONTROLLING AGENCY

Definition: THE NAME OF THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE ELECTRICAL CONNECTION.

Reply Instructions: Enter the controller's name. (e.g., ASKYGAN*)

AB*, AD*, AE*, AF*, AG*, AH*, AJ*, AK*, AL*, AN*

ASKZ G ELECTRICAL CONNECTION IDENTIFYING NUMBER

Definition: THE IDENTIFYING NUMBER ASSIGNED BY THE GOVERNMENT AGENCY OR COMMERICAL ORGANIZATION CONTROLLING THE ELECTRICAL CONNECTION.

Reply Instructions: Enter the reply in clear text.

(e.g., ASKZGTYPE NO. DM-5600-3P*)

AB*, AD*, AF*, AH*, AJ*, AK*, AL*

ASSB A MECHANICAL CONNECTION QUANTITY

Definition: THE NUMBER OF MECHANICAL CONNECTIONS PROVIDED.

Reply Instructions: Enter the quantity. For each different connection, use AND coding ($$). (e.g., ASSBA1*; ASSBA1$$A1*)

AB*, AD*, AF*, AH*, AJ*, AK*, AL*

ASSC G MECHANICAL CONNECTION SIZE

APP Key	MRC	Mode Code	Requirements

Definition: DESIGNATES THE THREAD SIZE, DIAMETER, OR THE LIKE, OF THE MECHANICAL CONNECTION.

Reply Instructions: Enter the reply in clear text. (e.g., ASSCG1/4 INCH TUBING OD*)

AB*, AD*, AF*, AH*, AJ*, AK*, AL*

ASSD D MECHANICAL CONNECTION TYPE

Definition: DESIGNATES THE TYPE OF MECHANICAL CONNECTION(S) PROVIDED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6. (e.g., ASSDDACF*)

For each different type connection, use AND coding ($$), entering replies in the same sequence as those given for MRC ASSB. (e.g., ASSDDACF$$DADQ*)

AD

BBJN D TEMP INDICATOR DEVICE

Definition: THE DEVICE USED TO REGISTER THE TEMPERATURE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBJNDJQ*; BBJNDJQ$DCC*)

REPLY CODE	REPLY (AB28)
JQ	ELECTRICAL
CC	THERMOMETER

NOTE FOR MRC AEVT: REPLY TO THIS MRC IF REPLY CODE CC IS ENTERED FOR MRC BBJN.

AD* (See Note Above)

AEVT J CAPILLARY TUBE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A CAPILLARY TUBE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEVTJAA40.000*; AEVTJLA1016.0*; AEVTJAB38.000$$JAC42.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AD

ASSH D INSTRUMENT LAMP

Definition: AN INDICATION OF WHETHER OR NOT AN INSTRUMENT LAMP IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASSHDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

AD*, AE*, AJ*, AK*, AL*, AM*, AN*

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$$DC*; ACDCDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
D	AC/DC
C	DC

APP Key	MRC	Mode Code	Requirements

AD*, AE*, AJ*, AK*, AL*, AM*, AN*

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the voltage required to operate the unit. (e.g., ELECB12.0*)

If multiple voltages are given for the same type of current, use AND coding ($$), in ascending order. If the multiple voltages given represent AC and DC currents, use OR coding ($), listing the AC voltages first regardless of the value. (e.g., ELECB220.0$$B440.0*; ELECB220.0$B12.0*)

AD*, AE*, AJ*, AK*, AL*, AM*, AN*

FREQ B FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB400.0*; FREQB400.0$B420.0*)

AD*, AE*, AJ*, AK*, AL*, AM*, AN*

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB*; FAAZDA$DC*)

REPLY CODE	REPLY (AD02)
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

AE*

ACUT B DIRECT CURRENT RATING IN AMPS

APP Key	MRC	Mode Code	Requirements

Definition: THE DIRECT CURRENT RATING FOR WHICH THE ITEM IS RATED, EXPRESSED IN AMPERES.

Reply Instructions: Enter the numeric value. (e.g., ACUTB0.15*; ACUTB0.75$B1.00*)

AE

BBJP D RETICLE STABILIZATION CHARACTERISTIC

Definition: AN INDICATION OF THE RETICLE STABILIZATION CHARACTERISTIC.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBJPDCY*; BBJPDCY$DCZ*)

REPLY CODE	REPLY (AL15)
A	ANY ACCEPTABLE
CY	GYRO STABILIZED
CZ	NOT STABILIZED

AE

BBJQ D RETICLE ILLUMINATION

Definition: AN INDICATION OF WHETHER OR NOT RETICLE ILLUMINATION IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBJQDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

AE*

BBJR D RECORDING CHART TYPE

Definition: INDICATES THE TYPE OF RECORDING CHART PROVIDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBJRDAJ*)

REPLY CODE	REPLY (AM12)
A	ANY ACCEPTABLE
AJ	CONTINUOUS STRIP

NOTE FOR MRC BBJS: REPLY TO THIS MRC IF A REPLY IS ENTERED FOR MRC BBJR.

AE* (See Note Above)

BBJS D CHART ACTUATION METHOD

Definition: THE MEANS BY WHICH THE CHART IS ACTUATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBJSDFX*)

REPLY CODE	REPLY (AC58)
A	ANY ACCEPTABLE
FX	SPRING MOTOR

AE*

AQYJ A HANDLE QUANTITY

Definition: THE NUMBER OF HANDLES PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AQYJA1*)

For each different type handle, use AND coding. (e.g., AQYJA1$$A2*)

NOTE FOR MRCS BBJT AND BBJW: REPLY TO THESE MRCS IF A REPLY IS ENTERED FOR MRC AQYJ.

AE* (See Note Above)

BBJT D HANDLE NAME

Definition: THE NOMENCLATURE BY WHICH THE HANDLE IS IDENTIFIED.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBJTDDA*)

For each different type handle, use AND coding ($$), entering replies in the same sequence as those given for MRC AQYJ. (e.g., BBJTDCQ$$DCR*)

REPLY CODE	REPLY (AL15)
DA	FILTER
CQ	LIGHT CONTROL
CR	LIGHT FILTER
DB	SIGHT ANGLE LINE
DC	SIGHT CONTROL LINE

AE* (See Note Preceding MRC BBJT)

BBJW D HANDLE LOCATION

Definition: INDICATES THE LOCATION OF THE HANDLE ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBJWDBAC*)

For each different type handle, use AND coding ($$), entering replies in the same sequence as those given for MRC AQYJ. (e.g., BBJWDBAC$$DBAD*)

REPLY CODE	REPLY (AJ91)
A	ANY ACCEPTABLE
BAC	FILTER HOUSING BACK
BAD	FILTER HOUSING LEFT SIDE
BAE	FILTER HOUSING SIDE

AE*

AGYT J TUBE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE TUBE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGYTJAA27.000*; AGYTJLA685.8*; AGYTJAB25.000$$JAC29.000*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AE*

ADZC D ENVIRONMENTAL PROTECTION

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADZCDBV*; ADZCDBV$$DAR*)

REPLY CODE	REPLY (AA65)
BV	DUSTPROOF
KN	WEATHER PROOF, NONFOGGING
AR	WEATHERPROOF
HF	WINTERIZED

AG, AP

BBJX D MOUNTING POSITION

Definition: THE INSTALLED POSITION FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBJXDAAB*; BBJXDAAB$DAAC*)

REPLY CODE	REPLY (AM84)
A	ANY ACCEPTABLE
AAB	LEFT SIDE
AAC	RIGHT SIDE
AAD	TUBULAR HORIZONTAL
AAE	TUBULAR VERTICAL
AAF	VERTICAL

APP Key	MRC	Mode Code	Requirements

AG*, AN*, AP

ABYA D ATTACHMENT DEVICE TYPE

Definition: INDICATES THE TYPE OF DEVICE USED FOR FASTENING AND/OR POSITIONING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ABYADB*; ABYADB$DQ*)

REPLY CODE	REPLY (AB59)
A	ANY ACCEPTABLE
M	COMPRESSION FITTING
B	DOWEL PIN
N	HOLE
Q	SCREW
R	STUD

AG*, AP

ABYB A ATTACHMENT DEVICE QUANTITY

Definition: THE NUMBER OF ATTACHMENT DEVICES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ABYBA4*; ABYBA5$A6*)

AG, AN, AP

BBJY D ELECTRICAL HEATING ELEMENT

Definition: AN INDICATION OF WHETHER OR NOT AN ELECTRICAL HEATING ELEMENT IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBJYDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

AG*, AN*, AP

APP Key	MRC	Mode Code	Requirements
	BBJZ	D	HEATING ELEMENT CURRENT TYPE

Definition: INDICATES THE TYPE OF HEATING ELEMENT CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBJZDB*; BBJZDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
D	AC/DC
C	DC

AG*, AN*, AP

BBTF B HEATING ELEMENT VOLTAGE IN VOLTS

Definition: THE TOTAL VALUE OF ELECTRICAL POTENTIAL FOR WHICH THE HEATING ELEMENT IS RATED, EXPRESSED IN VOLTS.

Reply Instructions: Enter the voltage required to operate the unit. (e.g., BBTFB110.0*)

If multiple voltages are given for the same type of current, use AND coding ($$), entering the voltages in ascending order. If the multiple voltages given represent AC and DC currents, use OR coding ($), listing the AC voltages first regardless of the value. (e.g., BBTFB10.0$$B10.5*; BBTFB110.0$B10.5*)

AG*, AN*, AP

BBKC B HEATING ELEMENT FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF ALTERNATING CURRENT FOR WHICH THE HEATING ELEMENT IS DESIGNED.

Reply Instructions: Enter the numeric value. (e.g., BBKCB60.0*; BBKCB50.0$B60.0*)

AG*, AN*, AP

BBKB D HEATING ELEMENT PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES FOR WHICH THE HEATING ELEMENT IS DESIGNED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBKBDA*; BBKBDA$DB*)

REPLY CODE	REPLY (AD02)
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

AG*, AN*, AP

BBTG B HEATING ELEMENT WATTAGE IN WATTS

Definition: THE RATED POWER THE HEATING ELEMENT CAN SAFELY CONSUME OR PROVIDE, MEASURED IN WATTS.

Reply Instructions: Enter the numeric value. (e.g., BBTGB135.0*)

For multiple replies given for the same type of current, use AND coding ($$), entering the wattage in ascending order. If replies are given for AC and DC currents, use OR coding ($), listing the AC wattage first, regardless of the value. (e.g., BBTGB135.0$$B205.0*; BBTGB135.0$B12.0*)

AG*, AN*, AP

BBTB B HEATING ELEMENT CURRENT RATING IN AMPS

Definition: THE TOTAL ELECTRICAL CURRENT OF THE HEATING ELEMENT, MEASURED IN AMPERES.

Reply Instructions: Enter the numeric value. (e.g., BBTBB7.2*)

For multiple replies given for the same type of current, use AND coding ($$), entering the amperage in ascending order. (e.g., BBTBB7.2$$B11.5*)

If replies are given for AC and DC currents, use OR coding ($), listing the alternating current first, regardless of the value. (e.g., BBTBB110.0$B11.5*)

AG*

BBTD F MACH NUMBER RANGE

Definition: THE MACH NUMBER RANGE FOR WHICH THE ITEM IS RATED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the numeric value separated by a slash. Precede all values with a P. (e.g., BBTDFP0.0/P3.0*; BBTDFP0.0/P5.0$FP0.0/P6.0*)

AH

BBTC D THROAT TYPE

Definition: INDICATES THE TYPE OF THROAT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBTCDANL*; BBTCDANL$DAGN*)

REPLY CODE	REPLY (AK54)
A	ANY ACCEPTABLE
ANL	DOUBLE
ACN	SINGLE

AJ

BBTH F MOTOR SPEED RANGE IN RPM

Definition: THE SPEED RANGE OF THE MOTOR, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric value separated by a slash. Precede all values with a P. Reply to be given excluding load. (e.g., BBTHFP2250.0/P2750.0*; BBTHFP1500.0/P2000.0$FP1800.0/P2400.0*)

AJ

AHZX B PRIME MOVER HORSEPOWER RATING

Definition: THE RATED HORSEPOWER OF THE PRIME MOVER.

Reply Instructions: Enter the numeric value. (e.g., AHZXB0.025*; AHZXB0.330$B0.500*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AHZXKN*)

AJ*

BBTJ J DRUM DRIVING POWER RATING

APP Key	MRC	Mode Code	Requirements

Definition: THE RATED DRIVING POWER OF THE DRUM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BBTJJPA130.0*; BBTJJPB125.0$$JPC160.0*)

Table 1

REPLY CODE	REPLY (AA56)
F	FOOT-POUNDS
A	INCH-OUNCES
G	INCH-POUNDS
P	POUNDS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AJ*

BBTK J DRUM BRAKING POWER FOR ONE MINUTE

Definition: THE RATED BRAKING POWER OF THE DRUM FOR ONE MINUTE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BBTKJAS100.0*; BBTKJAJ45.4*; BBTKJAS175.0$JAS200.0*)

REPLY CODE	REPLY (AG67)
AJ	KILOGRAMS
AS	POUNDS

AJ*

BBTL B DRUM MAXIMUM SPEED IN RPM

Definition: THE MAXIMUM RATED SPEED OF THE DRUM, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric value. (e.g., BBTLB15.0*; BBTLB20.0$B25.0*)

AJ

APP Key	MRC	Mode Code	Requirements
	ABTJ	A	MOUNTING HOLE QUANTITY

Definition: THE NUMBER OF MOUNTING HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ABTJA2*; ABTJA3$A4*)

AK

	AFLW	D	ACTUATION METHOD

Definition: THE MEANS BY WHICH THE ITEM IS ACTUATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFLWDJG*; AFLWDJG$DJH*)

REPLY CODE	REPLY (AC58)
A	ANY ACCEPTABLE
JG	MECHANICAL LINKAGE
JH	ROTARY SHAFT

AL

	APQB	D	UNIT TYPE

Definition: INDICATES THE TYPE OF UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APQBDAKE*; APQBDAKE$DAKF*)

REPLY CODE	REPLY (AK95)
AKE	ELECTRIC-HYDRAULIC
AKF	PNEUMATIC-HYDRAULIC

AL

	BBTM	A	INTERNAL VALVE QUANTITY

Definition: THE NUMBER OF INTERNAL VALVE(S) PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BBTMA2*; BBTMA3$$A4*)

AM

APP Key	MRC	Mode Code	Requirements
	BBTN	D	ERRORS COMPENSATED

Definition: AN INDICATION OF THE ERRORS THE ITEM IS DESIGNED TO COMPENSATE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBTNDAKY*; BBTNDAKZ$$DALA*)

REPLY CODE	REPLY (AJ41)
AKY	EXTERNAL MAGNETIC EFFECTS
AKZ	INDEX
ALA	TRANSMISSION

AM*

	BBTP	G	ERROR COMPENSATION RANGE IN DEG

Definition: THE MINIMUM TO MAXIMUM LIMITS OF DEVIATION COMPENSATION FOR EACH ERROR, EXPRESSED IN DEGREES.

Reply Instructions: Enter the reply in clear text. (e.g., BBTPGPLUS OR MINUS 6 DEG RANGE OF SINGLE-CYCLE CORRECTION AT HEADING OF 0-180 DEG*)

AN

	BBTQ	D	SENSING ELEMENT TYPE

Definition: INDICATES THE TYPE OF SENSING ELEMENT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBTQDAAR*; BBTQDAAR$DAAM*)

REPLY CODE	REPLY (AJ77)
A	ANY ACCEPTABLE
AAR	PROBE
AAM	VANE

AN*

	BBTR	B	TOTAL ANGULAR ROTATION IN DEG

APP Key	MRC	Mode Code	Requirements

Definition: THE TOTAL ANGULAR ROTATION OF THE ITEM, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., BBTRB40.0*; BBTRB55.0$B60.0*)

AN*

BBTS B ACCURACY RATING IN DEG

Definition: THE PERMISSIBLE DEVIATION OF THE ITEM, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., BBTSB0.050*; BBTSB0.075$$B1.000*)

AN

AKVS D TRANSDUCER TYPE

Definition: INDICATES THE TYPE OF DEVICE THAT CONVERTS ENERGY FROM ONE FORM TO ANOTHER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKVSDH*; AKVSDJ$DK*)

REPLY CODE	REPLY (AG97)
A	ANY ACCEPTABLE
G	COMBINATION (for items which combine potentiometers, synchros, and/or linear transformers)
H	POTENTIOMETER
J	SYNCHRO
K	TRANSFORMER

AN

AKVR A TRANSDUCER QUANTITY

Definition: A NUMERIC VALUE WHICH REPRESENTS THE NUMBER OF DEVICES THAT CONVERT ENERGY FROM ONE FORM TO ANOTHER.

Reply Instructions: Enter the quantity. (e.g., AKVRA2*; AKVRA3$A4*)

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRC BBTT: REPLY TO THIS MRC IF REPLY CODE G IS ENTERED FOR MRC AKVS.

AN* (See Note Above)

BBTT J COMBINATION TYPE AND QUANTITY

Definition: INDICATES THE TYPE AND NUMBER OF COMBINATION(S) PROVIDED WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. Use AND coding ($$), to enter each different type, followed by the quantity of each type. (e.g., BBTTJJ1*; BBTTJJ1$$JK1*)

REPLY CODE	REPLY (AG97)
H	POTENTIOMETER
J	SYNCHRO
K	TRANSFORMER

AN*

BBTW G OPERATING VELOCITY RANGE

Definition: AN INDICATION OF THE MINIMUM AND MAXIMUM VALUES OF VELOCITY AT WHICH THE ITEM IS DESIGNED TO OPERATE.

Reply Instructions: Enter the reply in clear text. (e.g., BBTWG80 KNOTS TO MACH 4.5*)

AN*

ADTV D CASE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CASE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., ADTVDALC000*; ADTVDAL0000$$DPC0000*)

AN*

ADTY D CASE SURFACE TREATMENT

APP Key	MRC	Mode Code	Requirements

Definition: CONSISTS OF PLATING, DIP AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE SURFACE OF THE CASE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADTYDAN0000*; ADTYDCD0000$$DEN0000*)

REPLY CODE	REPLY (AD09)
AN0000	ANODIZED
A	ANY ACCEPTABLE
CD0000	CADMIUM
EN0000	ENAMEL
GB0000	GALVANIZED
ZNS000	ZINC COATED

AN*

BBTX J CASE DIFFERENTIAL PRESSURE

Definition: THE DIFFERENCE IN OPPOSING PRESSURE WHICH THE CASE IS CAPABLE OF WITHSTANDING WITHOUT EVIDENCE OF DEFORMATION OR OTHER DAMAGE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BBTXJV15.0*; BBTXJK1.1*; BBTXJV20.0$JV25.0*)

REPLY CODE	REPLY (AB18)
K	KILOGRAMS PER SQUARE CENTIMETER
V	POUNDS PER SQUARE INCH

AN*

ALLB J CABLE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE CABLE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Dimensions to exclude connector termination. (e.g., ALLBJAA8.500*; ALLBJLA215.9*; ALLBJAB8.250$$JAC8.750*)

Table 1

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AN*

AGBL A CABLE CONDUCTOR QUANTITY

Definition: THE NUMBER OF CONDUCTORS, SHIELDED AND UNSHIELDED, WHICH MAKE UP THE CABLE.

Reply Instructions: Enter the quantity. (e.g., AGBLA2*; AGBLA3$$A4*)

AN*

BBTY A CABLE AWG SIZE

Definition: DESIGNATES THE AMERICAN WIRE GAGE SIZE OF THE CABLE.

Reply Instructions: Enter the AWG size. (e.g., BBTYA12*; BBTYA20$A24*)

For wire size stated in other than American Wire Gage, see Appendix C, Table 1 for conversion to nearest American Wire Gage size.

AN*

BBTZ G CABLE CONNECTOR IDENTIFYING NUMBER

Definition: AN IDENTIFYING NUMBER ASSIGNED BY THE GOVERNMENT AGENCY OR COMMERICAL ORGANIZATION CONTROLLING THE CABLE CONNECTOR.

Reply Instructions: Enter the reply in clear text.

(e.g., BBTZGPTO6P-14-19P*)

AN

AEZD D SWITCH

APP
Key MRC Mode Code Requirements

Definition: AN INDICATION OF WHETHER OR NOT A DEVICE USED TO OPEN OR CLOSE AN ELECTRICAL CIRCUIT IS INCLUDED WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEZDDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AEEC, AEED, AND AEEB: REPLY TO THESE MRCS IF REPLY CODE B IS ENTERED FOR MRC AEZD.

AN* (See Note Above)

AEEC D SWITCH CURRENT TYPE

Definition: INDICATES THE TYPE OF ELECTRICAL CURRENT FOR WHICH THE SWITCH IS DESIGNED TO OPERATE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEECDB*; AEECDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
D	AC/DC
C	DC

AN* (See Note Preceding MRC AEEC)

AEED B SWITCH VOLTAGE RATING IN VOLTS

Definition: THE VOLTAGE FOR WHICH THE SWITCH IS RATED FOR NORMAL OPERATION, EXPRESSED IN VOLTS.

Reply Instructions: Enter the numeric value. (e.g., AEEDB24.0*)

If multiple voltages are given for the same type of current, use AND coding ($$), entering the voltages in ascending order. If the multiple voltages given represent AC and DC currents, use OR coding ($), listing the AC voltages first regardless of the value. (e.g., AEEDB110.0$$B220.0*; AEEDB110.0$B24.0*)

APP Key	MRC	Mode Code	Requirements
AN* (See Note Preceding MRC AEEC)			
	AEEB	B	SWITCH CURRENT RATING IN AMPS
	Definition: THE ELECTRICAL CURRENT CAPACITY OF THE SWITCH, SPECIFIED FOR NORMAL OPERATION, EXPRESSED IN AMPERES.		
	Reply Instructions: Enter the numeric value. (e.g., AEEBB1.0*; AEEBB1.0$$B2.0*)		
AN			
	AAGB	F	OPERATING TEMP RANGE IN DEG CELSIUS
	Definition: THE MINIMUM AND MAXIMUM OPERATING TEMPERATURES AT WHICH THE ITEM IS RATED, EXPRESSED IN DEGREE CELSIUS.		
	Reply Instructions: Enter the numeric value separated by a slash. Precede negative values with an M and positive values with a P. (e.g., AAGBFM54.0/P93.0*; AAGBFM40.0/P90.0$FM45.0/P95.0*)		
	For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AAGBKN*)		
	Refer to Appendix C, Table 2, for applicable conversion of degrees Fahrenheit to degrees Celsius.		

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED20599*)

BA

APQB	D	UNIT TYPE

Definition: INDICATES THE TYPE OF UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APQBDAFA*; APQBDAFA$DAKG*)

REPLY CODE	REPLY (AK95)
AFA	DIRECTIONAL
AKG	VERTICAL

BB

BBWB	D	ELASTIC RESTRAINT APPLICATION METHOD

Definition: THE MEANS BY WHICH THE ELASTIC RESTRAINT IS APPLIED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBWBDAT*; BBWBDAY$$DAZ*)

REPLY CODE	REPLY (AF22)
AS	CROSS-REED SPRING
AT	ELECTRIC
AW	FLEXURAL PIVOT
AX	GLASS DASHPOT ASSEMBLY
AY	SPRING
AZ	TORSION BAR

BC

APP Key	MRC	Mode Code	Requirements
	BBWC	D	INTEGRATION METHOD

Definition: THE MEANS OF INTEGRATION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBWCDJ*; BBWCDJ$DK*)

REPLY CODE	REPLY (AD49)
J	ELECTRICAL
K	VISCOUS

ALL

	BBWD	D	WHEEL POWER METHOD

Definition: THE MEANS USED TO FURNISH WHEEL POWER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBWDDAAJ*; BBWDDAAJ$DAAE*)

REPLY CODE	REPLY (AL40)
AAJ	ELECTRIC
AAE	PNEUMATIC

NOTE FOR MRCS ACDC, ELEC, FREQ, FAAZ, AND ACUT: REPLY TO THESE MRCS IF REPLY CODE AAJ IS ENTERED FOR MRC BBWD.

ALL* (See Note Above)

	ACDC	D	CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$$DC*)

REPLY CODE	REPLY (AB62)
B	AC
D	AC/DC
C	DC

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ACDC)

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the voltage required to operate the unit. (e.g., ELECB12.0*)

If multiple voltages are given for the same type of current, use AND coding ($$), entering the voltages in ascending order. If the multiple voltages given represent AC and DC currents, use OR coding ($), listing the AC voltages first regardless of the value. (e.g., ELECB60.0$$B90.0*; ELECB60.0$B12.0*)

ALL* (See Note Preceding MRC ACDC)

FREQ B FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB400.0*; FREQB400.0$$B480.0*)

ALL* (See Note Preceding MRC ACDC)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB*; FAAZDA$$DC*)

REPLY CODE	REPLY (AD02)
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

ALL* (See Note Preceding MRC ACDC)

ACUT B DIRECT CURRENT RATING IN AMPS

Definition: THE DIRECT CURRENT RATING FOR WHICH THE ITEM IS RATED, EXPRESSED IN AMPERES.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the numeric value. (e.g., ACUTB30.5*; ACUTB34.0$B35.0*)

ALL

BBWF A FREEDOM AXIS QUANTITY

Definition: THE NUMBER OF FREEDOM AXIS(ES) PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BBWFA2*; BBWFA3$A4*)

ALL

BBWG A GIMBAL QUANTITY

Definition: THE NUMBER OF GIMBAL(S) PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BBWGA2*; BBWGA3$A4*)

ALL*

BBWH G AXIS DISPLACEMENT LIMITATION IN DEG

Definition: A MEASUREMENT OF THE AXIS DISPLACEMENT, EXPRESSED IN DEGREES.

Reply Instructions: Enter the reply in clear text. (e.g., BBWHGPORM 40 DEG FOR PITCH AXIS*)

BA

APGF D DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDAPL*; APGFDAPL$DAPM*)

REPLY CODE	REPLY (AK54)
APL	CAGEABLE
APM	NONCAGEABLE

BA, BC

APP Key	MRC	Mode Code	Requirements
	BBWJ	D	GIMBAL TORQUE APPLICATION METHOD

Definition: THE MEANS USED TO APPLY TORQUE TO THE GIMBALS.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 10. (e.g., BBWJDAFR*; BBWJDAFR$DAGP*)

BA

	BBWK	A	TORQUED GIMBAL QUANTITY

Definition: THE NUMBER OF TORQUED GIMBAL(S) PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BBWKA2*; BBWKA2$A4*)

ALL*

	BBWL	G	SENSING OUTPUT/SIGNAL LEVEL METHOD

Definition: THE MEANS USED TO INDICATE THE SENSING OUTPUT AND SIGNAL LEVEL.

Reply Instructions: Enter the reply in clear text. (e.g., BBWLGSYNCHRO OUTPUT 11.8 V WITH 26V EXTERNAL EXCITATION*)

ALL*

	BBWM	D	TEMP CONTROL METHOD

Definition: THE MEANS USED TO CONTROL THE TEMPERATURE OF AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBWMDD*; BBWMDD$DE*)

REPLY CODE	REPLY (AD16)
D	EXTERNALLY APPLIED
E	SELF-CONTAINED

BA, BB

	BBWN	D	INSTRUMENT TYPE

Definition: INDICATES THE TYPE OF INSTRUMENT PROVIDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBWNDAPS*; BBWNDAPS$DAPT*)

REPLY CODE	REPLY (AK54)
APS	FLOATED
APT	UNFLOATED

NOTE FOR MRC BBWP: REPLY TO THIS MRC IF REPLY CODE APS IS ENTERED FOR MRC BBWN.

BA*, BB* (See Note Above)

BBWP	D	FLUID TYPE

Definition: INDICATES THE TYPE OF FLUID USED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 11. (e.g., BBWPDST*; BBWPDAC$DST*)

BA

AGBC	D	SHOCK MOUNT

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS PROVIDED WITH A SELF-CONTAINED SHOCK MOUNT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGBCDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL*

ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA9.625*; ABHPJLA244.5*; ABHPJAB9.500$$JAC9.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA63.5*; ABMKJAB2.250$$JAC2.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA61.0*; ADAVJAB2.200$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA63.5*; ABKWJAB2.200$$JAC2.700*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: C

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED16207*)

ALL			
	APQB	D	UNIT TYPE

Definition: INDICATES THE TYPE OF UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APQBDAKN*; APQBDAKS$$DAKT*)

REPLY CODE	REPLY (AK95)
AKN	FLASHLIGHT
AKP	HUNTING CASE
AKQ	LENSATIC
AHX	POCKET
AKR	WATCHMAKER
AKS	WRIST
AKT	WRIST, UNDERWATER

ALL			
	BBWN	D	INSTRUMENT TYPE

Definition: INDICATES THE TYPE OF INSTRUMENT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBWNDADA*; BBWNDADA$DADC*)

REPLY CODE	REPLY (AK54)
ADA	DRY
ADC	WET

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRC BBWP: REPLY TO THIS MRC IF REPLY CODE ADC IS ENTERED FOR MRC BBWN.

ALL* (See Note Above)

BBWP D FLUID TYPE

Definition: INDICATES THE TYPE OF FLUID USED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 11. (e.g., BBWPDDF*; BBWPDSD$DSZ*)

ALL

APGF D DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDAQM*; APGFDAQM$DAQN*)

REPLY CODE	REPLY (AK54)
A	ANY ACCEPTABLE
AQN	SIDE READING
AQM	TOP READING

ALL

BCKG D READING FACILITY TYPE

Definition: INDICATES THE TYPE OF READING FACILITY PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCKGDAGX*; BCKGDAGX$DABK*)

REPLY CODE	REPLY (AJ12)
AGX	CARD
ABK	DIAL

ALL

BBWR J READING FACILITY DIAMETER

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR READING FACILITY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BBWRJAA3.000*; BBWRJLA76.2*; BBWRJAB2.750$$JAC3.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

	BBWS	D	READING FACILITY UNIT OF MEASURE INSCRIPTION

Definition: THE STANDARD OR VALUATION AS REPRESENTED BY THE INSCRIPTION ON THE READING FACILITY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBWSDAE*)

For each different type of graduation, use AND coding ($$). (e.g., BBWSDAE$$DCA*)

REPLY CODE	REPLY (AB49)
A	ANY ACCEPTABLE
AE	DEGREES
CA	MILS

ALL*

	BBWT	F	READING FACILITY GRADUATION RANGE

APP Key	MRC	Mode Code	Requirements

Definition: THE MINIMUM AND MAXIMUM NUMERIC VALUES REPRESENTING THE GRADUATION COVERAGE OF THE READING FACILITY.

Reply Instructions: Enter the numeric values separated by a slash. Precede positive values with a P. (e.g., BBWTFP0.0/P6400.0*)

For each different type of graduation, use AND coding ($$), entering replies in the same sequence as those given for MRC BBWS. (e.g., BBWTFP0.0/P1200.0$$FP0.0$$FP0.0/P3600.0*)

ALL*

BBWW J READING FACILITY SMALLEST INCREMENT

Definition: THE SMALLEST VALUE BETWEEN THE MARKINGS ON A READING FACILITY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BBWWJDL1.0*)

For each different type of graduation, use AND coding ($$), entering replies in the same sequence as those given for MRC BBWS. (e.g., BBWWJCE1.0$$JDL5.0*)

REPLY CODE	REPLY (AG67)
CE	DEGREES
DL	MILS

ALL*

BBWX D READING FACILITY FINISH

Definition: AN INDICATION OF THE FINISH ON THE READING FACILITY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBWXDF*)

For each different type of graduation, use AND coding ($$), entering replies in the same sequence as those given for MRC BBWS. (e.g., BBWXDG$$DR*)

REPLY CODE	REPLY (AB54)
F	FLUORESCENT (the emission of light while under the influence of an existing agent)

APP Key	MRC	Mode Code	Requirements
		G	PHOSPHORESCENT (the emission of light which persists for a limited duration after the removal of the existing agent)
		R	RADIOACTIVE (the property possessed by certain elements of spontaneously emitting light)

ALL*

BBWY J NEEDLE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE NEEDLE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BBWYJAA3.000*; BBWYJLA76.2*; BBWYJAB2.750$$JAC3.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

BBWZ D NEEDLE FINISH

Definition: AN INDICATION OF THE FINISH ON THE NEEDLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBWZDF*)

REPLY CODE	REPLY (AB54)
A	ANY ACCEPTABLE
F	FLUORESCENT (the emission of light while under the influence of an existing agent)
G	PHOSPHORESCENT (the emission of light which persists for a limited duration after the removal of the

APP Key	MRC	Mode Code	Requirements
			existing agent)
		R	RADIOACTIVE (the property possessed by certain elements of spontaneously emitting light)

ALL*

BCGY D SIGHTING DEVICE TYPE

Definition: INDICATES THE TYPE OF SIGHTING DEVICE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCGYDBA*; BCGYDAX$$DBB*)

REPLY CODE	REPLY (AD54)
A	ANY ACCEPTABLE
AX	LEAF SIGHT ON LID OF CASE
AY	LINE ACROSS INNER FACE OF LID
AZ	LINE ON LID OF CASE
BA	NOTCHED CASE
BB	VANE ON LID OF CASE

ALL

BCGZ D COURSE SETTING DEVICE

Definition: AN INDICATION OF WHETHER OR NOT A COURSE SETTING DEVICE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCGZDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

BCHB D COVER MIRROR

Definition: AN INDICATION OF WHETHER OR NOT A MIRROR IS PROVIDED WITH THE COVER.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCHBDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL*

BCHC A LEVEL QUANTITY

Definition: THE NUMBER OF LEVEL(S) PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BCHCA1*)

For each different level, use AND coding. (e.g., BCHCA1$$A1*)

ALL*

BCHD D LEVEL TYPE

Definition: INDICATES THE TYPE OF LEVEL PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCHDDAG*)

For each different level, use AND coding ($$), entering the replies in the same sequence as those given for MRC BCHC. (e.g., BCHDDAG$$DAH*)

REPLY CODE	REPLY (AM15)
A	ANY ACCEPTABLE
AG	CIRCULAR SPIRIT
AH	VIAL SPIRIT

ALL*

ADTV D CASE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CASE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., ADTVDALC000*; ADTVDALC000$$DPC0000*)

APP Key	MRC	Mode Code	Requirements
ALL			
	AFJU	D	CARRYING CASE

Definition: AN INDICATION OF WHETHER OR NOT A CONTAINER FROM WHICH THE ITEM IS COMPLETELY REMOVABLE IN NORMAL OPERABLE CONDITION IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJUDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

NOTE FOR MRCS ABHP, ABMK, ADAV, ABKW, AND ADUM: REPLIES FOR THESE MRCS ARE EXCLUDING ANY ATTACHMENTS.

ALL* (See Note Above)

	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA203.2*; ABHPJAB7.500$$JAC8.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

APP Key	MRC	Mode Code	Requirements
	ABMK	J	OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA63.5*; ABMKJAB2.250$$JAC2.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

	ADAV	J	OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJAL61.0*; ADAVJAB2.300$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

APP Key	MRC	Mode Code	Requirements
	ABKW	J	OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA63.5*; ABKWJAB2.250$$JAC2.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

	ADUM	J	OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA2.500*; ADUMJLA63.5*; ADUMJAB2.250$$JAC2.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: D

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED16206*)

ALL

BBWN	D	INSTRUMENT TYPE

Definition: INDICATES THE TYPE OF INSTRUMENT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBWNDADC*; BBWNDADA$DADC*)

REPLY CODE	REPLY (AK54)
ADA	DRY
ADC	WET

NOTE FOR MRC BBWP: REPLY TO THIS MRC IF REPLY CODE ADC IS ENTERED FOR MRC BBWN.

ALL* (See Note Above)

BBWP	D	FLUID TYPE

Definition: INDICATES THE TYPE OF FLUID USED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 11. (e.g., BBWPDSD*; BBWPDAC$DSQ*)

ALL

BCHG	D	BOWL SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE BOWL.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCHGDFL*; BCHGDFL$DDL*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AD07)
A	ANY ACCEPTABLE
FL	FLAT
DL	SPHERICAL

ALL

BCHH D BOWL ELEMENT TYPE

Definition: INDICATES THE TYPE OF BOWL ELEMENT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCHHDAPX*; BCHHDAPX$DAPY*)

REPLY CODE	REPLY (AK54)
APX	CARD
APY	NEEDLE
APZ	TOP

ALL*

BCHJ J CARD SIZE

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSIONS OF THE CARD.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BCHJJA7.500*; BCHJJL190.5*; BCHJJA4.500$JA5.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL*

BCHK J DIAL SIZE

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSIONS OF THE DIAL.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BCHKJA2.500*; BCHKJL63.5*; BCHKJA4.500$JA5.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL

APGF D DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDAQM*; APGFDAQM$$DAQN*)

REPLY CODE	REPLY (AK54)
A	ANY ACCEPTABLE
AQN	SIDE READING
AQM	TOP READING

ALL

ANXY D ILLUMINATED FEATURE

Definition: AN INDICATION OF WHETHER OR NOT AN ILLUMINATED FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANXYDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

ANXZ D ILLUMINATED LOCATION

Definition: INDICATES THE ILLUMINATED LOCATION.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANXZDBAH*; ANXZDBAG$DBAH*)

REPLY CODE	REPLY (AJ91)
BAG	OVER
BAH	UNDER

ALL*

BBJG D DIAL FINISH

Definition: AN INDICATION OF THE FINISH ON THE DIAL.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBJGDF*; BBJGDF$$DR*)

REPLY CODE	REPLY (AB54)
F	FLUORESCENT (the emission of light while under the under the influence of an existing agent)
G	PHOSPHORESCENT (the emission of light which persists for a limited duration after the removal of the existing agent)
R	RADIOACTIVE (the property possessed by certain elements of spontaneously emitting light)

ALL*

AXGY D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 7. (e.g., AXGYDABC*; AXGYDABH$DALB*)

ALL*

BCHL J GIMBAL RING OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE GIMBAL RING, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BCHLJA10.000*; BCHLJL254.0*; BCHLJA12.000$JA13.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL

BCHM D COMPENSATING FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A COMPENSATING FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCHMDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS BCHN AND BCHP: REPLY TO THESE MRCS IF REPLY CODE B IS ENTERED FOR MRC BCHM.

ALL* (See Note Above)

BCHN D COMPENSATOR TYPE

Definition: INDICATES THE TYPE OF COMPENSATOR PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCHNDAQA*; BCHNDAQB$DAQC*)

REPLY CODE	REPLY (AK54)
AQA	CYLINDERS
AQB	QUADRANTAL CYLINDERS
AQC	QUADRANTAL SPHERES

ALL* (See Note Preceding MRC BCHN)

APP Key	MRC	Mode Code	Requirements
	BCHP	D	HEELING CORRECTORS

Definition: AN INDICATION OF WHETHER OR NOT HEELING CORRECTORS ARE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCHPDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL*

	BCHQ	J	UPPER BOWL BEARING SURFACE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE UPPER BOWL BEARING SURFACE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BCHQJA9.500*; BCHQJL241.3*; BCHQJA10.000$JA10.500*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL

	BCHR	J	SMALLEST INCREMENT IN DEG

Definition: THE SMALLEST VALUE BETWEEN MARKINGS ON AN ITEM, EXPRESSED IN DEGREES.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BCHRJAF5.0*; BCHRJAF1.0$JAF5.0*)

REPLY CODE	REPLY (AG46)
AF	CARD
AJ	DIAL

APP Key	MRC	Mode Code	Requirements

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA203.2*; ABHPJAB7.500$$JAC8.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA63.5*; ABMKJAB2.250$$JAC2.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA61.0*; ADAVJAB2.200$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA63.5*; ABKWJAB2.250$$JAC2.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA61.0*; ABFYJAB2.200$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: E

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED04966*)

ALL*			
	BCHS	D	TRANSMISSION TYPE

Definition: INDICATES THE TYPE OF TRANSMISSION PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCHSDAAJ*; BCHSDAAJ$DAAF*)

REPLY CODE	REPLY (AJ53)
A	ANY ACCEPTABLE
AAJ	STEP BY STEP
AAF	SYNCHRO

NOTE FOR MRCS ACDC, ELEC, FREQ, AND FAAZ: REPLY TO THESE MRCS IF A REPLY IS ENTERED FOR MRC BCHS.

ALL* (See Note Above)			
	ACDC	D	CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
D	AC/DC
C	DC

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ACDC)

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the voltage required to operate the unit. (e.g., ELECB12.0*)

If multiple voltages are given for the same type of current, use AND coding ($$), entering the voltages in ascending order. If the multiple voltages given represent AC and DC currents, use OR coding ($), listing the AC voltages first regardless of the value. (e.g., ELECB220.0$$B440.0*; ELECB110.0$B12.0*)

ALL* (See Note Preceding MRC ACDC)

FREQ B FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB400.0*; FREQB50.0$B60.0*)

ALL* (See Note Preceding MRC ACDC)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDC*; FAAZDA$DB*)

REPLY CODE	REPLY (AD02)
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

ALL

AYNW A ROTOR QUANTITY

Definition: THE NUMBER OF ROTORS.

Reply Instructions: Enter the quantity. (e.g., AYNWA1*; AYNWA1$$A1*)

APP Key	MRC	Mode Code	Requirements

ALL

BCHW J ROTOR WEIGHT

Definition: A RELATIVE MEASURE OF THE MASS OF A ROTOR WITH RESPECT TO ITS DENSITY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BCHWJAS50.0*; BCHWJAS4.0$$JAS4.0*)

REPLY CODE	REPLY (AG67)
AN	OUNCES
AS	POUNDS

ALL

BCHX B ROTOR SPEED IN RPM

Definition: THE SPEED OF THE ROTOR, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric value. (e.g., BCHXB1500.0*; BCHXB1750.0$$B1750.0*)

ALL

BCHY D ROTOR FUNCTION

Definition: THE FUNCTION FOR WHICH THE ROTOR WAS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCHYDJ*; BCHYDJ$$DL*)

REPLY CODE	REPLY (AC00)
J	SEEKS MERIDIAN
K	SEEKS VERTICAL
L	SEEKS ZENITH

ALL

BCHZ D PENDULOUS CHARACTERISTIC

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF THE PENDULOUS CHARACTERISTIC OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCHZDP*; BCHZDP$DM*)

REPLY CODE	REPLY (AM89)
M	NONPENDULOUS
P	PENDULOUS

ALL

BCJB D SPEED/LATITUDE CORRECTION METHOD

Definition: THE MEANS USED TO CORRECT THE SPEED AND LATITUDE OF AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCJBDAAM*; BCJBDAAM$DAAN*)

REPLY CODE	REPLY (AL28)
AAM	AUTOMATIC
AAN	MANUAL

ALL

BCJC D STABILIZING FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A STABILIZING FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCJCDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

SECTION: F

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED05180*)

ALL			
	ASMM	A	CONNECTION QUANTITY

Definition: THE NUMBER OF CONNECTIONS FURNISHED.

Reply Instructions: Enter the quantity. (e.g., ASMMA3*)

For each different size connection, use AND coding ($$), entering the quantity of each different size connection. (e.g., ASMMA3$$A3*)

ALL			
	BCJD	J	CONNECTION DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE CONNECTION, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BCJDJAA0.250*; BCJDJLA6.4*)

For each different size connection, use AND coding ($$), entering replies in the same sequence as those given for MRC ASMM. (e.g., BCJDJAA0.250$$JAA0.375*; BCJDJAB0.250$JAC0.375*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL*

BCJF D THREAD PROTECTOR TYPE

Definition: INDICATES THE TYPE OF THREAD PROTECTOR PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCJFDC*; BCJFDC$$DP*)

REPLY CODE	REPLY (AB26)
Z	ANY ACCEPTABLE
C	PIPE CAP
P	PIPE PLUG

ALL

BCJG D METERING VALVES

Definition: AN INDICATION OF WHETHER OR NOT METERING VALVES ARE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCJGDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

NOTE FOR MRCS ATQR AND ASHM: REPLY TO THESE MRCS IF REPLY CODE B IS ENTERED FOR MRC BCJG.

ALL* (See Note Above)

ATQR A VALVE QUANTITY

Definition: THE NUMBER OF VALVES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ATQRA2*; ATQRA3$A4*)

ALL* (See Note Preceding MRC ATQR)

APP Key	MRC	Mode Code	Requirements
	ASHM	D	VALVE TYPE

Definition: INDICATES THE TYPE OF VALVE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASHMDAD*; ASHMDAD$DAH*)

REPLY CODE	REPLY (AL80)
A	ANY ACCEPTABLE
AD	CHECK
AH	NEEDLE

ALL*

	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., MATLDMG0000*; MATLDMG0000$DSTB000*)

ALL*

	ABTJ	A	MOUNTING HOLE QUANTITY

Definition: THE NUMBER OF MOUNTING HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ABTJA4*; ABTJA3$A4*)

ALL*

	ABTB	J	MOUNTING HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTBJAA0.187*; ABTBJLA4.7*; ABTBJAB0.180$$JAC0.194*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES

APP Key	MRC	Mode Code	Requirements
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AQPN A MOUNTING HOLE THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER MEASUREMENT SCALE OF A MOUNTING HOLE.

Reply Instructions: Enter the diameter and threads per inch.

(e.g., AQPNA10-24*;

AQPNA8-32$A10-32*)

ALL*

BCZZ D MOUNTING HOLE LOCATION

Definition: INDICATES THE LOCATION OF THE MOUNTING HOLE(S) IN OR ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCZZDBBG*; BCZZDBBL$DBBM*)

REPLY CODE	REPLY (AJ91)
A	ANY ACCEPTABLE
BBG	MANIFOLD BOTTOM
BBH	MANIFOLD EDGE
BBJ	MANIFOLD END
BBK	MANIFOLD FOOT PLATE
BBL	MANIFOLD SIDE
BBM	MANIFOLD TOP
BBN	MOUNTING FLANGE

ALL

APP Key	MRC	Mode Code	Requirements
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA203.2*; ABHPJAB7.500$$JAC8.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

	ABMK	J	OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA63.5*; ABMKJAB2.250$$JAC2.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APP Key	MRC	Mode Code	Requirements
	ADUM	J	OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA2.500*; ADUMJLA63.5*; ADUMJAB2.250$$JAC2.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: G

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED03716*)

ALL			
	BCJH	F	ALTITUDE RANGE IN DEG

Definition: THE ALTITUDE RANGE OF THE ITEM, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. Separated by a slash. Precede negative values with an M and positive values with a P. (e.g., BCJHFM10.0/P90.0*; BCJHFM10.0/P90.0$FM4.0/P92.0*)

ALL			
	BCJJ	D	AVERAGING DEVICE TYPE

Definition: INDICATES OF THE TYPE OF AVERAGING DEVICE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCJJDAQF*; BCJJDAQG$$DAQH*)

REPLY CODE	REPLY (AK54)
AQF	BALL AND DISK INTEGRATING VARIABLE TIME
AQG	CHRONOMETRIC
AQH	DIEMAL BLACK BALL INTEGRATOR
AQJ	MEDIAN

ALL*			
	BCJK	B	OPERATING TIME IN MINUTES

Definition: THE PERIOD OF ELAPSED TIME DURING WHICH THE ITEM WILL OPERATE, EXPRESSED IN MINUTES.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the numeric value. (e.g., BCJKB2.0*)

ALL

BCJL D ARTIFICIAL HORIZON FIELD ILLUMINATED FEATURE

Definition: AN INDICATION OF WHETHER OR NOT AN ARTIFICIAL HORIZON FIELD ILLUMINATED FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCJLDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS ALSF, ANLJ, BCJM, ACDC, AND ELEC: REPLY TO THESE MRCS IF REPLY CODE B IS ENTERED FOR MRC BCJL.

ALL* (See Note Above)

ALSF D INTERNAL BATTERY ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT FACILITY(IES) TO ACCOMMODATE A BATTERY(IES) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALSFDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC ANLJ: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC ALSF.

ALL* (See Note Above and Preceding MRC ALSF)

ANLJ B BATTERY VOLTAGE RATING IN VOLTS

APP Key	MRC	Mode Code	Requirements

Definition: THE ELECTRIC POTENTIAL THAT A BATTERY CAN PROVIDE, EXPRESSED IN VOLTS.

Reply Instructions: Enter the numeric value. (e.g., ANLJB3.0*; ANLJB6.0$$B9.0*)

ALL* (See Note Preceding MRC ALSF)

BCJM D EXTERNAL POWER SOURCE

Definition: AN INDICATION OF WHETHER OR NOT AN EXTERNAL POWER SOURCE IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCJMDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

NOTE FOR MRCS ACDC AND ELEC: REPLY TO THESE MRCS IF REPLY CODE B IS ENTERED FOR MRC BCJM.

ALL* (See Note Above and Preceding MRC ALSF)

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
D	AC/DC
C	DC

ALL* (See Note Preceding MRCs ALSF and ACDC)

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter

Reply Instructions: Enter the voltage required to operate the unit. (e.g., ELECB12.0*)

If multiple voltages are given for the same type of current, use AND coding ($$), entering the voltages in ascending order. If the multiple voltages given represent AC and DC currents, OR coding ($), listing the AC voltages first regardless of the value. (e.g., ELECB220.0$$B440.0*; ELECB220.0$B12.0*)

ALL

BCJN D NATURAL HORIZON USE PROVISION

Definition: AN INDICATION OF WHETHER OR NOT PROVISIONS FOR USE OF NATURAL HORIZON ARE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCJNDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA203.2*; ABHPJAB7.500$$JAC8.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA63.5*; ABMKJAB2.250$$JAC2.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA63.5*; ABKWJAB2.250$$JAC2.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL

BCJP D PERISCOPIC FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A PERISCOPIC FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCJPDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AGYT AND BCJQ: REPLY TO THESE MRCS IF REPLY CODE B IS ENTERED FOR MRC BCJP.

ALL* (See Note Above)

AGYT J TUBE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE TUBE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Code from Tables 1 and 2 below, followed by the numeric value. (e.g., AGYTJAA8.000*; AGYTJLA203.2*; ABYTJAB7.500$$JAC8.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AGYT)

APP Key	MRC	Mode Code	Requirements
	BCJQ	J	TUBE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE TUBE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BCJQJAA2.500*; BCJQJLA63.5*; BCJQJAB2.250$$JAC2.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	AXGY	D	MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 7. (e.g., AXGYDAEE*; AXGYDABH$DALB*)

ALL*

	AKYD	G	ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGBULB CELL ASSEMBLY 1*)

SECTION: H

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED03544*)

ALL			
	BCJR	D	DIRECTION SENSING ELEMENT TYPE

Definition: INDICATES OF THE TYPE OF DIRECTION SENSING ELEMENT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCJRDAAS*; BCJRDAAT$DAAW*)

REPLY CODE	REPLY (AJ77)
AAS	FLUXGATE
AAT	PERMANENT MAGNET
AAW	PIVOTED, PERMANENT MAGNET

ALL			
	BCJC	D	STABILIZING FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A STABILIZING FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCJCDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

APP Key	MRC	Mode Code	Requirements
	BCJS	J	TRANSMITTING COIL VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE OF THE TRANSMITTING COIL, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BCJSJA7.0*; BCJSJB6.5$$JC7.5*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	BCJT	J	TRANSMITTING COIL FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF ALTERNATING CURRENT FOR WHICH THE TRANSMITTING COIL IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BCJTJA400.0*; BCJTJB390.0$$JC410.0*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	BCJW	D	GYRO CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT USED BY THE GYRO, WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCJWDB*; BCJWDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
D	AC/DC
C	DC

APP Key	MRC	Mode Code	Requirements

ALL*

BCJX J GYRO VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE OF THE GYRO, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BCJXJA26.0*)

If the multiple voltages given represent AC and DC currents, use AND coding ($$), listing the AC voltages first, regardless of the value. (e.g., BCJXJA26.0$$JA30.0*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

BCJY J GYRO FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT FOR WHICH THE GYRO IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BCJYJA400.0*; BCJYJB400.0$$JC412.0*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

BCJZ D ELECTRICAL CONNECTION CABLE WATERTIGHT GLAND

APP
Key MRC Mode Code Requirements

Definition: AN INDICATION OF WHETHER OR NOT THE ELECTRICAL CONNECTION IS FURNISHED WITH A WATERTIGHT GLAND FOR THE CABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCJZDF*)

REPLY CODE	REPLY (AA55)
F	FURNISHED
N	NOT FURNISHED

NOTE FOR MRCS ASSA, BCHT, ASKX, ASQD, BCKB, ASKY, ASQC, AND ASKZ: IF REPLY CODE F IS ENTERED FOR MRC BCJZ, REPLY TO MRCS ASSA AND BCHT. IF REPLY CODE N IS ENTERED FOR MRC BCJZ, REPLY TO MRCS ASKX, ASQD, BCKB, ASKY, ASQC, AND ASKZ.

ALL* (See Note Above)

ASSA J CABLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE CABLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ASSAJAA0.375*; ASSAJLA8.3*; ASSAJAB0.365$$JAC0.385*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ASSA)

BCHT A TERMINAL POST QUANTITY

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER OF TERMINAL POST(S) PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BCHTA4*; BCHTA5$$A6*)

ALL* (See Note Preceding MRC ASSA)

ASKX A ELECTRICAL CONNECTION QUANTITY

Definition: THE NUMBER OF ELECTRICAL CONNECTIONS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ASKXA1*)

For each different type of connector, use AND coding ($$). (e.g., ASKXA1$$A1*)

ALL* (See Note Preceding MRC ASSA)

ASQD D CONNECTOR MATING METHOD

Definition: THE MEANS BY WHICH THE CONNECTOR MATES WITH ANOTHER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASQDDAB*)

For each different type of connector, use AND coding ($$), entering replies in same sequence as those given for MRC ASKX. (e.g., ASQDDAB$$DAC*)

REPLY CODE	REPLY (AH46)
AB	EXTERNAL
AC	INTERNAL

ALL* (See Note Preceding MRC ASSA)

BCKB A CONNECTOR PRONG QUANTITY

Definition: THE NUMBER OF CONNECTOR PRONG(S) PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BCKBA4*)

For each different type of connector, use AND coding ($$), entering replies in the same sequence as those given for MRC ASKX. (e.g., BCKBA4$$A4*)

ALL* (See Note Preceding MRC ASSA)

ASKY G ELECTRICAL CONNECTION CONTROLLING

APP Key	MRC	Mode Code	Requirements
			AGENCY

Definition: THE NAME OF THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE ELECTRICAL CONNECTION.

Reply Instructions: Enter the controller's name. (e.g., ASKYGDAVIS CORP*)

ALL* (See Note Preceding MRC ASSA)

ASQC	G	ELECTRICAL CONNECTION CONTROLLING AGENCY ADDRESS

Definition: THE ADDRESS OF THE AGENCY CONTROLLING THE ELECTRICAL CONNECTION.

Reply Instructions: Enter the city-state address for each different type of connector. It is not necessary to enter an address for a government agency. (e.g., ASQCGLOS ANGELES, CALIF*)

ALL* (See Note Preceding MRC ASSA)

ASKZ	G	ELECTRICAL CONNECTION IDENTIFYING NUMBER

Definition: THE IDENTIFYING NUMBER ASSIGNED BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE ELECTRICAL CONNECTION.

Reply Instructions: Enter the identifying number.

(e.g., ASKZGPART NO. AN3102-20-1P*)

ALL*

ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA203.2*; ABHPJAB7.500$$JAC8.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA63.5*; ABMKJAB2.000$$JAC3.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA61.0*; ADAVJAB2.200$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA63.5*; ABKWJAB2.000$$JAC3.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AXGY D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 7. (e.g., AXGYDABH*; AXGYDABH$DALB*)

ALL

AGBC D SHOCK MOUNT

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS PROVIDED WITH A SELF-CONTAINED SHOCK MOUNT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGBCDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL

BCHP D HEELING CORRECTORS

Definition: AN INDICATION OF WHETHER OR NOT HEELING CORRECTORS ARE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCHPDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL

BCKC D QUADRANTAL SPHERES

Definition: AN INDICATION OF WHETHER OR NOT QUADRANTAL SPHERES ARE INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCKCDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements
ALL*			
	FEAT	G	SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*			
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

APP Key	MRC	Mode Code	Requirements
		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

AARG D RELIABILITY INDICATOR

Definition: AN INDICATION THAT THE LEVEL OF PROBABILITY THAT AN ITEM WILL OPERATE WITHOUT FAILURE, AT A SPECIFIED RATED CAPABILITY, AT A SPECIFIED TEMPERATURE, AND FOR A SPECIFIED PERIOD OF TIME, HAS BEEN ESTABLISHED BY TESTING RANDOM SAMPLES OF PRODUCTION LOT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AARGDE*)

REPLY CODE	REPLY (AA61)
E	ESTABLISHED
N	NOT ESTABLISHED

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

APP Key	MRC	Mode Code	Requirements
			Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 9, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)
ALL*			
	ZZZW	G	DEPARTURE FROM CITED DOCUMENT
			Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)
ALL*			
	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*			

APP Key	MRC	Mode Code	Requirements
	CRTL	A	CRITICALITY CODE JUSTIFICATION

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL*

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

APP Key	MRC	Mode Code	Requirements

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

NHCF D NUCLEAR HARDNESS CRITICAL FEATURE

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

Reply Instructions: Enter the Reply Code from the table below. (e.g., NHCFDCY*)

REPLY CODE	REPLY (AD05)
CY	HARDENED

ALL*

ELCD D EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	AFJK	J	CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB8.000*; AFJKJC141.1*)

REPLY CODE	REPLY (AD42)
C	CUBIC CENTIMETERS
B	CUBIC INCHES

ALL

SUPP G SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

FCLS A FUNCTIONAL CLASSIFICATION

Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.

Reply Instructions: Enter the reply from the applicable document.

(e.g., FCLSAHH-1.5*)

ALL

FTLD G FUNCTIONAL DESCRIPTION

APP Key	MRC	Mode Code	Requirements

Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.

Reply Instructions: Enter description of function as concisely as

possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)

ALL

TMDN A TYPE/MODEL DESIGNATION

Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.

Reply Instructions: Enter the appropriate designation data.

(e.g., TMDNAMSV-615/M*)

ALL

RTSE G RELATIONSHIP TO SIMILAR EQUIPMENT

Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION, CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.

Reply Instructions: Enter concise statement for similar item including name and identifying data.

(e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N 61521-58*)

ALL

RDAL G REFERENCE DATA AND LITERATURE

Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.

Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item.

(e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)

ALL

NTRD A ENTRY DATE

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300.

Reply Instructions: Enter the date structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day.

(e.g., NTRDA80-05-25*)

ALL

ZZZP J PURCHASE DESCRIPTION IDENTIFICATION

Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.

Reply Instructions: Enter the 5-position Commercial and Government Entiy (CAGE) Code, followed by a dash, and the identifying number of the document.

(e.g., ZZZPJ81337-30624A*)

ALL

ZZZV G FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

ALL

AGAV G END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

ALL

APP Key	MRC	Mode Code	Requirements
	CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

ALL

	HZRD	D	HAZARDOUS SUBSTANCES

Definition: THE SUBSTANCES AND/OR MATERIALS CONTAINED IN THE ITEM THAT HAVE BEEN IDENTIFIED AS HAZARDOUS OR ENVIRONMENTALLY DAMAGING BY THE ENVIRONMENTAL PROTECTION AGENCY OR OTHER AUTHORIZED GOVERNMENT AGENCY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., HZRDDHAZ092 *; HZRDDHAZ092$$DHAZ285*)

REPLY CODE	REPLY (HZ00)
HAZ092	MAGNESIUM
HAZ285	PLASTIC

Reply Tables

Table 1 - SCALE NAMES

SCALE NAMES

REPLY CODE	REPLY (AL15)
BG	ALTITUDE
BH	AMMETER
BJ	ANGLE OF ATTACK
A	ANY ACCEPTABLE
BK	AZIMUTH ANGLE
BL	BAROMETRIC PRESSURE
BM	CABIN PRESSURE
BN	CABIN PRESSURE ALTITUDE
BQ	DEG
BP	DEG OF BANK
BR	DIFFERENTIAL PRESSURE
BT	DRIFT
BS	DRIFT ANGLE
BW	EQUIVALENT ANGLE OF ATTACK
BX	FUEL PRESSURE
BY	G UNIT
BZ	HEIGHT
CA	KNOTS PER HOUR
CB	LINE
CC	MILES PER HOUR
CD	OIL PRESSURE
CE	OIL TEMPERATURE
AK	SECOND
CF	SIGHT
CG	UNIT
CH	3 GRAVITY UNIT COUNTER

Table 2 - COLORS

COLORS

REPLY CODE	REPLY (AD06)
A	ANY ACCEPTABLE
BL0000	BLACK
BL0036	BLACK, DULL
BU0000	BLUE
GY0040	GRAY, DARK SMOKE
GY0020	GRAY, SMOKE
GR0000	GREEN
GR0020	GREEN, DARK
GR0048	GREEN, DEEP
RE0000	RED
WH0000	WHITE

REPLY CODE	REPLY (AD06)
WH0027	WHITE, FED STD 595, 37875
WH0035	WHITE, LUSTERLESS
WH0036	WHITE, MATTE
YE0000	YELLOW
YE0035	YELLOW, FLUORESCENT
YE0009	YELLOW, PALE

Table 3 - KNOB NAMES

KNOB NAMES

REPLY CODE	REPLY (AL15)
A	ANY ACCEPTABLE
CJ	AZIMUTH DRIVE
CK	CAGING
CL	COMPUTER DIAL DATA
CM	DRIFT INDICATOR
CN	FILTER ASSEMBLY
CP	GYRO CAGING
CQ	LIGHT CONTROL
CR	LIGHT FILTER
CT	RETICLE LIGHT RHEOSTAT CONTROL
CS	RHEOSTAT
CW	ROTARY
CX	TANGENT SCREW

Table 4 - KNOB LOCATIONS

KNOB LOCATIONS

REPLY CODE	REPLY (AJ91)
A	ANY ACCEPTABLE
AZT	DRIFT INDICATOR DIAL DISK FLANGE
AZQ	GYRO HOUSING BOTTOM
AZY	GYRO HOUSING TOP
AZR	LOWER GYRO BOTTOM
AZS	LOWER GYRO HOUSING BOTTOM
AZW	LOWER GYRO HOUSING SIDE
AZZ	SECONDS DIAL DISK TOP
BAB	UNDER AZIMUTH SCALE
BAA	UPPER GYRO HOUSING TOP
AZX	UPPER STATIONARY TUBE HOUSING SIDE

Table 5 - CONTACT TYPES

CONTACT TYPES

REPLY CODE	REPLY (AG81)

REPLY CODE	REPLY (AG81)
A	ANY ACCEPTABLE
CA	FEMALE PIN
CD	FEMALE PRONG
CB	MALE PIN
CE	MALE PRONG
BG	PIN
CC	PRONG
CF	SCREW STUD
BM	SOCKET
CG	SOLDER HOOK
BP	SOLDER LUG
CH	TERMINAL STUD
BS	THREADED STUD
CJ	WIRE CABLE
BW	WIRE LEAD

Table 6 - MECHANICAL CONNECTION TYPES

MECHANICAL CONNECTION TYPES

REPLY CODE	REPLY (AJ68)
ACC	ACTUATING ARM
A	ANY ACCEPTABLE
ACF	EXTERNAL PIPE
ADF	EXTERNAL TUBE
ADG	EXTERNAL VENTURI CHAMBER MOUNTING THREAD
ABF	FLANGE
AGJ	HUB WITH INTERNAL THREAD
ADH	INTERNAL
ADJ	INTERNAL ANPT (Static)
ADK	INTERNAL NOZZLE
ACL	INTERNAL PIPE
ACP	INTERNAL TUBE
AGK	INTERNAL TUBE THREAD
ADL	INTERNAL UNF BOSS
ADM	INVERTED NUT
ADN	KEYWAY SHAFT
ADP	SHAFT
ADQ	SHAFT NUT
ADR	SLOTTED SHAFT
ADS	SPLINED SHAFT
ADT	STATIC BOSS
ADW	STATIC VENT PLUG
ADX	STRAIGHT
ADY	TORQUE ARM

Table 7 - MOUNTING METHODS

MOUNTING METHODS

REPLY CODE	REPLY (AM39)
A	ANY ACCEPTABLE
ABB	BASE
AKY	BEZEL
AKZ	BINNACLE
ALA	BOLT CLAMP
ABC	BRACKET
ABD	BUSHING
ABH	CLAMP
ALB	CLAMP W/SUCTION CUPS
ALC	FIXED
ALD	FIXED FLANGE
ACR	FLANGE
AGQ	FLUSH
AFX	FRONT
ACP	HOLE
ALE	LOCK PIN
AED	PANEL
AEE	PLATE
AHT	RING
ALF	SELF-LOCKING NUT
ALG	SHELF
ALH	SLIDING RAIL
AAE	STUD
AET	THREADED STUD
ALJ	TOP
ALK	TOP W/ADJUSTABLE LEGS
ALL	TUBULAR

Table 8 - MATERIALS

MATERIALS

REPLY CODE	REPLY (AD09)
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
AL0527	ALUMINUM ALLOY, AMS 4135, ALLOY 2014, T6
AL0205	ALUMINUM ALLOY, QQ-A-200/3, ALLOY 2024, T8511
AL0130	ALUMINUM ALLOY, QQ-A-225/6
AL0280	ALUMINUM ALLOY, QQ-A-225/6, ALLOY 2024, T4
AL0341	ALUMINUM ALLOY, QQ-A-250/4, ALLOY 2024, T851
AL0420	ALUMINUM ALLOY, QQ-A-367, COMP 2014, T6
AL0436	ALUMINUM ALLOY, QQ-A-367, COMP 7075, T73
AL0460	ALUMINUM ALLOY, QQ-A-596, ALLOY 356
AL0160	ALUMINUM ALLOY, QQ-A-601, ALLOY 356, TEMPER T6
AL0649	ALUMINUM ALLOY, WW-T-700/6, TYPE 1

REPLY CODE	REPLY (AD09)
AL0629	ALUMINUM ALLOY, 6061, T6
A	ANY ACCEPTABLE
BC0000	BERYLLIUM COPPER
BR0000	BRASS
BN0000	BRONZE
FG0000	FIBERGLASS
MG0000	MAGNESIUM
MNA000	MANGANESE BRONZE
NC0000	NICKEL COPPER ALLOY
	Nickel Copper (Use Reply Code NC0000)
PC0000	PLASTIC
PCAAL0	PLASTIC, PHENOL-FORMALDEHYDE
PCW000	PLASTIC, PHENOLIC
ST0000	STEEL
ST3158	STEEL, AMS 5355
STB000	STEEL, CORROSION RESISTING
ST1898	STEEL, MIL-S-6758, SAE 4130

Table 9 - NONDEFINITIVE SPEC/STD DATA

NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END

REPLY CODE	REPLY (AD08)
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE

REPLY CODE	REPLY (AD08)
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 10 - TORQUE APPLICATION METHODS

TORQUE APPLICATION METHODS

REPLY CODE	REPLY (AJ12)
AFR	AC TORQUE MOTOR
A	ANY ACCEPTABLE
AFS	DC IN PERMANENT MAGNET INTEGRAL WITHIN UNIT
AFT	DIRECT
AFW	EDDY CURRENT TORQUE MOTOR
AFX	ELECTROLIC SWITCH
AFY	ERECTION TORQUE MOTOR
AFZ	EXECUTION TORQUE MOTOR
AGA	HYSTERESIS
AGT	INDUCTION MOTOR
AGB	INDUCTION TORQUE MOTOR
AGC	MICROSYN TORQUE MOTOR
AGD	MOTOR CONTROL
AGE	PITCH TORQUE MOTOR
AGF	PRECESSION
AGW	SEGMENT MOTOR
AGG	SEGMENT TORQUE MOTOR
AEX	SERVO MOTOR
AGH	SERVO TORQUE MOTOR
AGJ	SOLENOID TORQUE
AGK	SYNCHRO
AEW	SYNCHRO MOTOR
AGL	SYNCHRO OUTPUT
AGM	SYNCHRO TORQUE MOTOR

REPLY CODE	REPLY (AJ12)
AGN	TORQUE COIL
AGP	TORQUE MOTO R
AGQ	2 AC MOTORS
AGR	2 PHASE MOTOR
AGS	400 CYCLE TORQUE MOTORS

Table 11 - FLUID TYPES

FLUID TYPES

REPLY CODE	REPLY (AB75)
AC	ALCOHOL
A	ANY ACCEPTABLE
SN	BROMINATED FLUOROLUBE
SP	DC 200 SILICONE
SQ	DISTILLED WATER
SR	FLUOROCARBON
SS	FLUOROLUBE
BL	HELIUM
ST	MERCURY
SD	OIL
SW	PETROLEUM BASE
SX	SILICONE
SY	SILICONE DAMPING
SZ	SILICONE OIL
DF	WATER

Reference Drawing Groups

No table of contents entries found.

Technical Data Tables

AMERICAN OR BROWN AND SHARPE WIRE GAGE

AWG	Diameter Inches Nom	Area Circular Mills
0000	0.4600	211600.
000	0.4096	167800.
00	0.3648	133100.
0	0.3249	105500.
1	0.2893	83690.
2	0.2576	66370.
3	0.2294	52640.
4	0.2043	41740.
5	0.1819	33100.
6	0.1620	26250.
7	0.1443	20820.
8	0.1285	16510.
9	0.1144	13090.
10	0.1019	10380.
11	0.09074	8234.
12	0.08081	6530.
13	0.07196	5178.
14	0.06408	4107.
15	0.05707	3257.
16	0.05082	2583.
17	0.04526	2048.
18	0.04030	1624.
19	0.03589	1288.
20	0.03196	1022.
21	0.02846	810.1
22	0.02535	642.4
23	0.02257	509.5
24	0.02010	404.0
25	0.01790	320.4
26	0.01594	254.1
27	0.01420	201.5
28	0.01264	159.8
29	0.01126	126.7
30	0.01003	100.5
31	0.008928	79.7
32	0.007950	63.21
33	0.007080	50.13
34	0.006305	39.75
35	0.005615	31.52
36	0.005000	25.00

AWG	Diameter Inches Nom	Area Circular Mills
37	0.004453	19.83
38	0.003965	15.72
39	0.003531	12.47
40	0.003145	9.888
41	0.00280	7.8400
42	0.00249	6.2001
43	0.00222	4.9284
44	0.00197	3.8809
45	0.00176	3.0976
46	0.00157	2.4649

Unless otherwise stated in FIIG requirements, stranded conductors with circular mil areas below mid-points of AWG sizes are to be considered as having the smaller AWG sizes. Stranded conductors with circular mil areas at mid-points and above are to be considered as having the larger AWG sizes.

A stranded conductor with a circular mil area of 1836 would fall midway between 17 AWG and 18 AWG. For purposes of FIIG requirements, the conductor shall be described as being No. 17 AWG size.

For solid conductors or conductor strands of 0.010 inches in diameter or larger, the size will be expressed in the nearest AWG size if within one thousandth of an inch of being an exact AWG size. For solid wire smaller than 0.010 inches in diameter, the size should be expressed in the nearest AWG size if within one ten-thousandth (0.0001) of an inch of being an exact AWG size.

For purposes of FIIG requirements, a solid conductor or strand of wire 0.01596 inches in diameter shall be described as being No. 26 AWG size.

CELSIUS-FAHRENHEIT CONVERSION TABLE

CONVERTED TO CELSIUS	TEMP READING	CONVERTED TO FAHRENHEIT
-62.2	-80	-112.0
-56.7	-70	-94.0
-51.1	-60	-76.0
-45.6	-50	-58.0
-40.0	-40	-40.0

-34.4	-30	-22.0
-31.7	-25	-13.0
-28.9	-20	-4.0
-26.1	-15	+5.0
-23.3	-10	14.0
-20.6	-5	23.0
-17.8	0	32.0
-15.0	5	41.0
-12.22	10	50.0
-9.44	15	59.0
-6.67	20	68.0
-3.89	25	77.0
-1.11	30	86.0
1.67	35	95.0
4.44	40	104.0
7.22	45	113.0
10.00	50	122.0
12.78	55	131.0
15.56	60	140.0
18.33	65	149.0
21.11	70	158.0
23.89	75	167.0
26.67	80	176.0
29.44	85	185.0
32.22	90	194.0
35.00	95	203.0
37.78	100	212.0
40.56	105	221.0
43.33	110	230.0
46.11	115	239.0
48.89	120	248.0
51.67	125	257.0
54.44	130	266.0
57.22	135	275.0
60.00	140	284.0
65.56	150	302.0
71.11	160	320.0
76.67	170	338.0
82.22	180	356.0
87.78	190	374.0
93.33	200	392.0
98.89	210	410.0
104.44	220	428.0
110.00	230	446.0
115.56	240	464.0
121.11	250	482.0

126.67	260	500.0
132.22	270	518.0
137.78	280	536.0
143.33	290	554.0
148.89	300	572.0
154.44	310	590.0
160.00	320	608.0
165.66	330	626.0
171.11	340	644.0
176.67	350	662.0
182.22	360	680.0
187.78	370	698.0
193.33	380	716.0
198.89	390	734.0
204.44	400	752.0
210.00	410	770.0
215.56	420	788.0
221.11	430	806.0
226.67	440	824.0
232.22	450	842.0
237.78	460	860.0
243.33	470	878.0
248.89	480	896.0
254.44	490	914.0
260.00	500	932.0
265.56	510	950.0
271.11	520	968.0
276.67	530	986.0
282.22	540	1004.0
287.78	550	1022.0

The middle column of figures contains the reading (|SDF or |SDC) to be converted. If converting from degrees Fahrenheit to degrees Celsius, read the Celsius equivalent in the column headed "Converted to Celsius". If converting from Celsius to Fahrenheit, read the Fahrenheit equivalent in the column headed "Converted to Fahrenheit".

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

FIIG Change List

FIIG Change List, Effective May 7, 2010

This change replaced with ISAC or and/or coding.